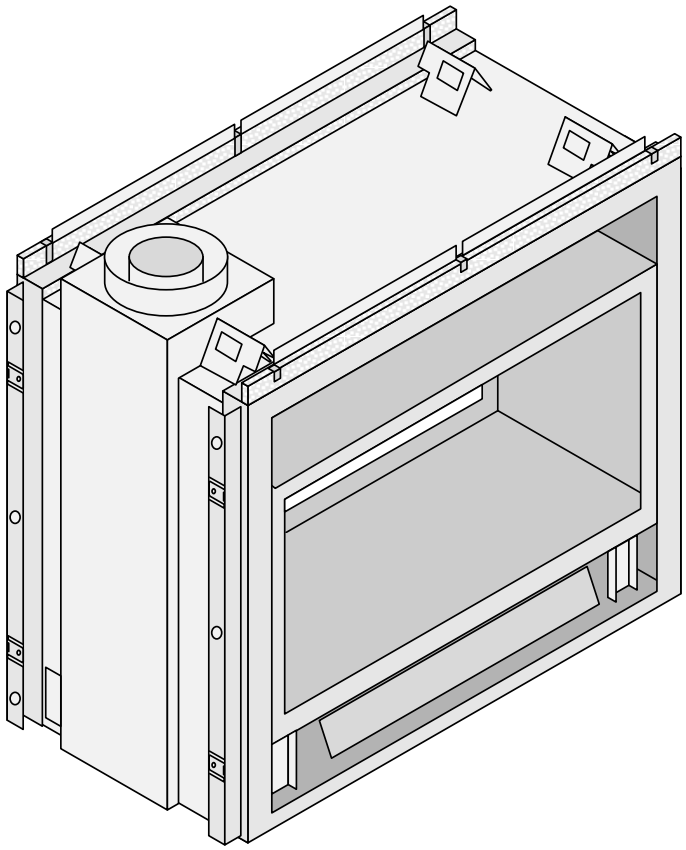

864 ST GSR2 Fireplace with Screen (AU)

Listed by

IAPMO-R&T OCEANA Gas Mark

AS 4553-2008
GMK10027
IAPMO-R&T OCEANA

- **Built-In Direct Vent Fireplace**
- **Natural Gas or Propane**
- **Residential or Mobile Home**

WARNING: If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

- **DO NOT PLACE ARTICLES ON OR AGAINST THIS APPLIANCE.**
- **DO NOT USE OR STORE FLAMMABLE MATERIALS NEAR THIS APPLIANCE.**
- **DO NOT SPRAY AEROSOLS IN THE VICINITY OF THIS APPLIANCE WHILE IT IS IN OPERATION.**
- **DO NOT MODIFY THIS APPLIANCE.**
- **Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.**

WHAT TO DO IF YOU SMELL GAS

- **Do not try to light any appliance.**
- **Do not touch any electrical switch; do not use any phone in your building.**
- **Immediately call gas supplier from a neighbor's phone. Follow the gas supplier's instructions.**
- **If you cannot reach your gas supplier, call the fire department.**
- **Installation and service must be performed by a qualified installer, service agency or the gas supplier.**

This appliance may be installed in an aftermarket permanently located, manufactured home (USA only) or mobile home, where not prohibited by local codes.

This appliance is only for use with the type(s) of gas indicated on the rating plate. A conversion kit is supplied with the appliance.

Installation Manual

Installer: **After installation give this manual to the home-owner and explain operation of this heater.**

Dragon Wholesaling Pty. Ltd.
Unit 4, 16 Lexington Drive
Bella Vista NSW

Australia 2153

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Overview

This manual details the installation requirements for the 864 See Through (ST) GSR2 fireplace. For operating and maintenance instructions, refer to the 864 ST GSR2 Owner's Manual (part # 100-01413).

IAPMO-R&T
OCEANA™
Gas Mark
GMK10027

864 ST GSR2 (Au)
Vented Gas Fireplace Heater

Minimum Clearances to Combustibles

Fireplace to adjacent wall	25 mm	Sides to enclosure	Left side: 12 mm / Right side: 0 mm
Base to enclosure	1067 mm	Combustible floor under fireplace	0 mm
Header (from stand-offs)	0 mm	Base of fireplace to a mantel	See Owner's Manual

FAN TYPE VENTED CIRCULATOR
Blower Electrical Rating: 240V., 1.5 Amps, 50 Hz, 150 Watts

	L.P.	N.G.
Input Rate on "HI" (MJ/h)	39.5	39.5
Input Rate on "LO" (MJ/h)	10.5	15.5
Orifice Size - Outer (DMS)	#55	#44
Orifice Size - Center (DMS)	#55	#48

	L.P.	N.G.
Minimum Inlet Pressure (kPa)	2.74	1.37
Maximum Inlet Pressure (kPa)	3.24	1.74
Manifold Pressure on "HI" (kPa)	2.74	.87

This appliance is equipped for installation 0-610 m. For altitudes above 600m, the vent configuration, orifice, or combination of both may need to be changed. See owner's manual for information on making these changes.

MANUFACTURE DATE:

☐☐ 2013 ☐ Jan. ☐ Apr. ☐ Jul. ☐ Oct.
☐☐ 2014 ☐ Feb. ☐ May ☐ Aug. ☐ Nov.
☐☐ 2015 ☐ Mar. ☐ Jun. ☐ Sep. ☐ Dec.

Manufactured by:

TRAVIS INDUSTRIES
HOUSE OF FIRE
4800 Harbour Pointe Blvd. SW
Mukilteo, WA 98275

www.lopi.com.au

Certificate Holder:

Dragon Wholesaling Pty. Ltd.
Unit 4, 16 Lexington Drive
Bella Vista NSW 2153
Australia

Tested to the combustion performance and construction requirements of AS 4553-2008 Gas Space Heating Appliances. This appliance must be installed in accordance with all local codes.

This 864 ST GSR2 appliance is equipped from the factory only for use with Natural Gas and is only for use with the type of gas indicated on the rating plate. For conversion to LP (Propane) use a certified kit supplied by the manufacturer. See owner's manual for information on making these changes.

This appliance may be installed in an aftermarket, permanently located, manufactured (mobile) home where not prohibited by local codes.

This vented gas fireplace heater is not for use with air filters. This appliance must be properly connected to a venting system in accordance with the manufacturer's installation instructions. Use only approved coaxial direct vent systems to vent this appliance to the exterior. See owner's manual for approved brands of venting.

WARNING: Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to the owner's information manual provided with this appliance. For assistance or additional information consult a qualified installer, service agency or the gas supplier.

This appliance is a Vented Gas Fireplace Heater. Not for use with Solid Fuel.

Young children should be carefully supervised at all times when they are in the same room as the appliance.

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4 Safety Precautions

Safety Warnings

- Failure to follow all of the requirements may result in property damage, bodily injury, or even death.

Young children should be carefully supervised when they are in the same room as the appliance. Toddlers, young children and others may be susceptible to accidental contact burns. A physical barrier is recommended if there are at risk individuals in the house. To restrict access to a fireplace or stove, install an adjustable safety gate to keep toddlers, young children and other at risk individuals out of the room and away from hot surfaces.

Children and adults should be alerted to the hazards of high surface temperature and should stay away to avoid burns or clothing ignition. Do not touch the hot surfaces of the heater. Educate all children of the danger of a high-temperature heater.

Due to the high temperature, the heater should be located out of traffic and away from furniture and draperies.

- This unit must be installed by a qualified installer to prevent the possibility of an explosion.
- This appliance must be installed in accordance with all local codes, if any; if not, in U.S.A. follow ANSI Z223.1 and NFPA 54(88), in Canada follow CSA B149.1.
- A manufactured home (USA only) or mobile home OEM installation must conform with the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280, or, when such a standard is not applicable, the Standard for Manufactured Home Installations, ANSI/NCSBCS A225.1, or Standard for Gas Equipped Recreational Vehicles and Mobile Housing, CSA Z240.4. This appliance may be installed in Manufactured Housing only after the home is site located.
- All exhaust gases must be vented outside the structure of the living-area. Combustion air is drawn from outside the living-area structure. The venting must not be connected to a chimney flue serving a separate solid-fuel burning appliance.
- Notify your insurance company before hooking up this fireplace.
- The instructions in this manual must be strictly adhered to. Do not use makeshift methods or compromise in the installation. Improper installation will void the warranty and safety listing.
- This heater is approved for use with natural gas (NG) or propane (LP). Burning the incorrect fuel will void the warranty and safety listing and may cause an extreme safety hazard. Direct questions about the type of fuel used to your dealer.
- Contact your local building officials to obtain a permit and information on any installation restrictions or inspection requirements in your area.
- If the flame becomes sooty, dark orange in color, or extremely tall, do not operate the heater. Call your dealer and arrange for proper servicing.
- It is imperative that control compartments, screens, or circulating air passageways of the heater be kept clean and free of obstructions. These areas provide the air necessary for safe operation.
- Do not operate the heater if it is not operating properly in any fashion or if you are uncertain. Call your dealer for a full explanation of your heater and what to expect.
- Do not store or use gasoline or other flammable liquids in the vicinity of this heater.
- Do not operate if any portion of the heater was submerged in water or if any corrosion occurs. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.
- Because this heater can be controlled by a thermostat there is a possibility of the heater turning on and igniting any items placed on or near the appliance.

Safety Warnings (continued)

- Light the heater using the built-in igniter. Do not use matches or any other external device to light your heater.
- Never remove, replace, modify or substitute any part of the heater unless instructions are given in this manual. All other work must be done by a trained technician. Don't modify or replace orifices.
- The viewing glass should be opened only for conducting service.
- Allow the heater to cool before carrying out any maintenance or cleaning.
- Operate the heater according to the instructions included in this manual.
- If the main burners do not start correctly turn the gas off and call your dealer for service.
- This unit is not for use with solid fuel.
- Do not place anything inside the firebox (except the optional artwork).
- **Warning:** Do not operate appliance with the glass front removed, cracked or broken. Replacement of the glass should be done by a licensed or qualified service person.
- Do not throw this manual away. This manual has important operating and maintenance instructions that you will need at a later time. Always follow the instructions in this manual.
- Instruct everyone in the house how to shut gas off to the appliance and at the gas main shutoff valve. The gas main shutoff valve is usually next to the gas meter or propane tank and requires a wrench to shut off.
- A barrier designed to reduce the risk of burns from the hot viewing glass is provided with this appliance and shall be installed for the protection of children and other at-risk individuals.
- If the barrier becomes damaged, the barrier shall be replaced with the manufacturer's barrier for this appliance.
- Clothing or other flammable material should not be placed on or near the appliance.
- Any safety screen, guard, or barrier removed for servicing an appliance must be replaced prior to operating the appliance.
- Installation and repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a professional service person. More frequent cleaning might be required due to excessive lint from carpeting, bedding material, et cetera. It is imperative that control compartments, burners, and circulating air passageways of the appliance be kept clean.
- **Travis Industries, Inc. grants no warranty, implied or stated, for the installation or maintenance of your heater, and assumes no responsibility of any consequential damage(s).**

SAFETY WARNINGS:

- **DO NOT PLACE ARTICLES ON OR AGAINST THIS APPLIANCE.**
- **DO NOT USE OR STORE FLAMMABLE MATERIALS NEAR THIS APPLIANCE.**
- **DO NOT SPRAY AEROSOLS IN THE VICINITY OF THIS APPLIANCE WHILE IT IS IN OPERATION.**
- **DO NOT MODIFY THIS APPLIANCE.**
- **THIS INSTALLATION MUST CONFORM WITH THE FOLLOWING:**
  - Manufacturer's Installation instructions
  - Local Gas Fitting Regulations
  - Municipal Building Codes,
  - Refer to AS/NZS 5601.1 for Gas Installations.
  - S.A.A. Wiring Code
  - Local Electrical Regulations
  - Any other statutory regulations
- **NOT SUITABLE FOR MARINE USE.**
- **NOT INTENDED FOR FIREPLACE INSERT.**

APPLIANCES INCORPORATING A LIVE FUEL EFFECT, AND DESIGNED TO OPERATE

6 Features and Specifications

Installation Options

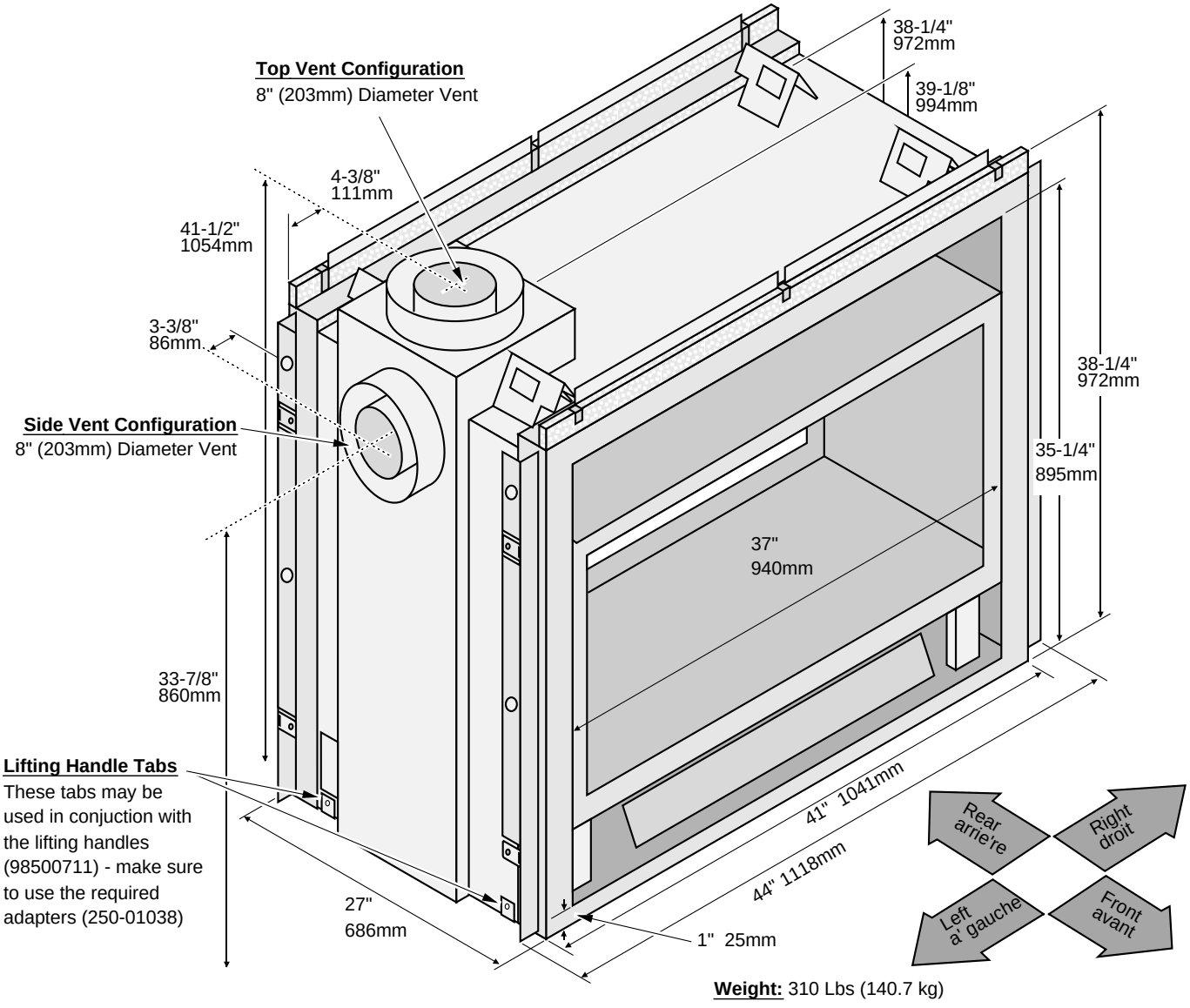
- Residential or Mobile Home
- Flush or Recessed Face
- Raised or Floor Placement
- Accent Lights
- Internal or External Chase
- Horizontal or Vertical Vent
- Bedroom Approved

Heating Specifications

	Natural Gas	Propane
Approximate Heating Capacity (in square meters)*	139	139
Maximum Input Per Hour (MJ)	39.5	39.5

* Heating capacity will vary with floor plan, insulation, and outside temperature.

Dimensions



Weight: 310 Lbs (140.7 kg)

Packing List

- Propane Conversion Kit
- Log Set
- Firestop (sku 93006094)
- Remote Control
- Insulation for Side Vent Conversion

Additional Items Required

- Direct Vent
- Gas Line Equipment (shutoff valve, pipe, etc.)
- Electrical Equipment (min. 14 gauge, grounded line)
- Two Grill Kits and/or Faces

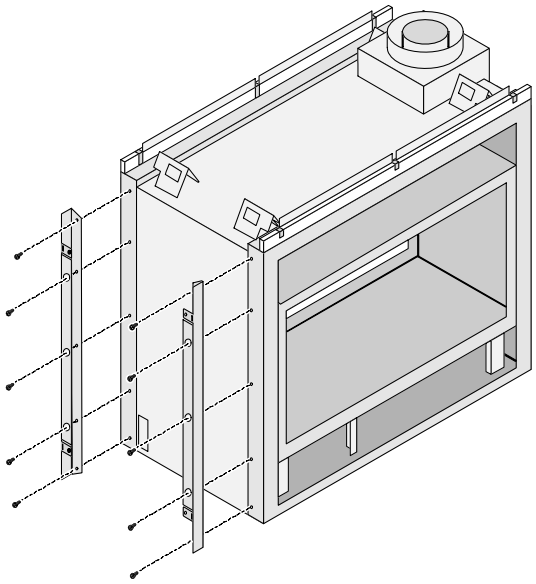
Recommended Installation Procedure

- Prepare the framing, making sure to leave the area around the fireplace open (see page 12). Make sure to allow for vent installation and facing depth.
- Place the fireplace into position.
- Install the vent, gas line and electrical hook-up.
- Finalize the framing around the fireplace.
- Secure the fireplace to the framing.
- Install the wall switch (see page **Error! Bookmark not defined.**) or thermostat (if applicable).
- Install the drywall.
- Install the hearth (if applicable).
- Install the facing (if applicable).
- Install the mantel (if applicable).
- Finalize the installation (see page 37) and install the grill or face.

Side Standoff Installation

The two right-side standoffs included with this fireplace are attached to the fireplace prior to placing the fireplace into position. These standoffs are not required for safety purposes. Their purpose is to center the fireplace in the framed opening. Attach the right side standoffs to the fireplace as shown below. Remove the five screws on the side of the fireplace, position the standoff, and secure.

NOTE: The side standoffs have obround holes that allow for the standoff to be adjusted for drywall of ½" (13mm) or 5/8" (18mm) thickness. See "Nailing Brackets" on page 13.



Framing Notes

The framing dimensions included in this installation manual have been revised to include the extra 1-1/2" (39mm) needed for the right standoffs to install correctly (44" (1118mm) width). If the fireplace opening has been framed to the dimensions listed in the previous version of the installation manual (42-1/2" (1080mm) width), the right side standoffs may be excluded. In this type of installation, the center of the glass will not be located in the center of the framed opening. The center of the glass will be ¾" (19mm) from the center of the framing.

8 Installation (for qualified installers only)

Massachusetts Requirements

NOTE: The following requirements reference various Massachusetts and national codes not contained in this document.

Requirements for the Commonwealth of Massachusetts

For all side wall horizontally vented gas fueled equipment installed in every dwelling, building or structure used in whole or in part for residential purposes, including those owned or operated by the Commonwealth and where the side wall exhaust vent termination is less than seven (7) feet above finished grade in the area of the venting, including but not limited to decks and porches, the following requirements shall be satisfied:

Installation of Carbon Monoxide Detectors

At the time of installation of the side wall horizontal vented gas fueled equipment, the installing plumber or gasfitter shall observe that a hard wired carbon monoxide detector with an alarm and battery back-up is installed on the floor level where the gas equipment is to be installed. In addition, the installing plumber or gasfitter shall observe that a battery operated or hard wired carbon monoxide detector with an alarm is installed on each additional level of the dwelling, building or structure served by the side wall horizontal vented gas fueled equipment. It shall be the responsibility of the property owner to secure the services of qualified licensed professionals for the installation of hard wired carbon monoxide detectors.

In the event that the side wall horizontally vented gas fueled equipment is installed in a crawl space or an attic, the hard wired carbon monoxide detector with alarm and battery back-up may be installed on the next adjacent floor level.

In the event that the requirements of this subdivision can not be met at the time of completion of installation, the owner shall have a period of thirty (30) days to comply with the above requirements; provided, however, that during said thirty (30) day period, a battery operated carbon monoxide detector with an alarm shall be installed.

Approved Carbon Monoxide Detectors

Each carbon monoxide detector as required in accordance with the above provisions shall comply with NFPA 720 and be ANSI/UL 2034 listed and IAS certified.

Signage

A metal or plastic identification plate shall be permanently mounted to the exterior of the building at a minimum height of eight (8) feet above grade directly in line with the exhaust vent terminal for the horizontally vented gas fueled heating appliance or equipment. The sign shall read, in print size no less than one-half (1/2) inch in size, “GAS VENT DIRECTLY BELOW. KEEP CLEAR OF ALL OBSTRUCTIONS”.

Inspection

The state or local gas inspector of the side wall horizontally vented gas fueled equipment shall not approve the installation unless, upon inspection, the inspector observes carbon monoxide detectors and signage installed in accordance with the provisions of 248 CMR 5.08(2)(a)1 through 4.

Exemptions

The following equipment is exempt from 248 CMR 5.08(2)(a)1 through 4:

• The equipment listed in Chapter 10 entitled “Equipment Not Required To Be Vented” in the most current edition of NFPA 54 as adopted by the Board; and

• Product Approved side wall horizontally vented gas fueled equipment installed in a room or structure separate from the dwelling, building or structure used in whole or in part for residential purposes.

MANUFACTURER REQUIREMENTS

Gas Equipment Venting System Provided

When the manufacturer of Product Approved side wall horizontally vented gas equipment provides a venting system design or venting system components with the equipment, the instructions provided by the manufacturer for installation of the equipment and the venting system shall include:

• Detailed instructions for the installation of the venting system design or the venting system components; and

• A complete parts list for the venting system design or venting system.

Gas Equipment Venting System NOT Provided

When the manufacturer of a Product Approved side wall horizontally vented gas fueled equipment does not provide the parts for venting the flue gases, but identifies “special venting systems”, the following requirements shall be satisfied by the manufacturer:

• The referenced “special venting system” instructions shall be included with the appliance or equipment installation instructions; and

• The “special venting systems” shall be Product Approved by the Board, and the instructions for that system shall include a parts list and detailed installation instructions.

A copy of all installation instructions for all Product Approved side wall horizontally vented gas fueled equipment, all venting instructions, all parts lists for venting instructions, and/or all venting design instructions shall remain with the appliance or equipment at the completion of the installation.

See Gas Connection section for additional Commonwealth of Massachusetts requirements.

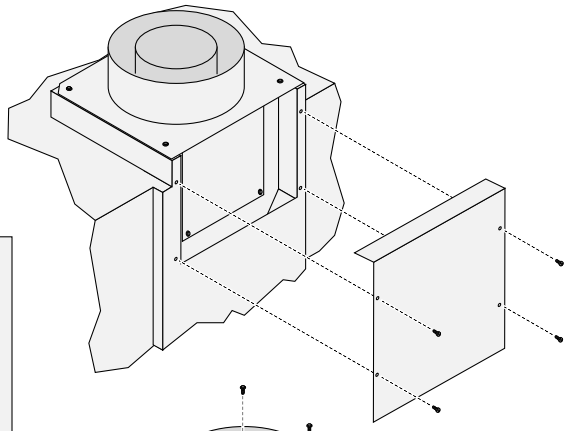
Top Vent or Side Vent Configuration

This appliance is shipped in the top vent configuration. To change to the side vent configuration, follow the directions below.

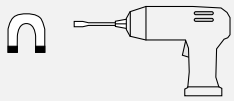
NOTE: the vent configuration affects several aspects of installation (framing, maximum vent rise, maximum vent run). Make sure the vent configuration is correct prior to installation. You may wish to configure the diffuser when changing the vent configuration.

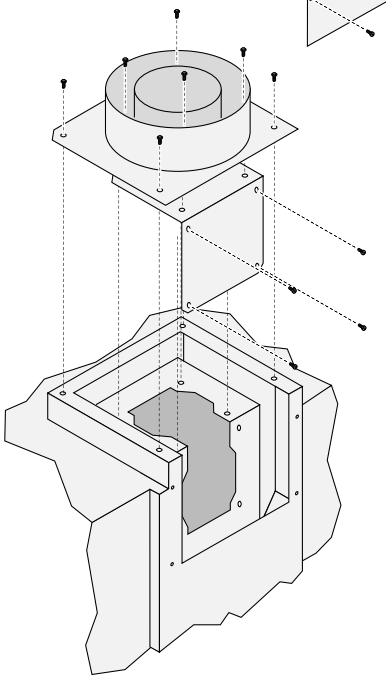
Converting the Fireplace to Side Vent Configuration

Remove the back plate on the fireplace.



NOTE: Use a magnetic-tipped nutdriver on these screws - take care to prevent the screws from falling into the fireplace.

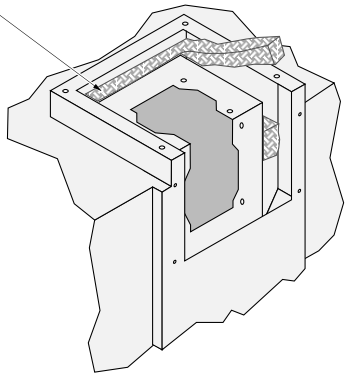




Remove the flue assembly.

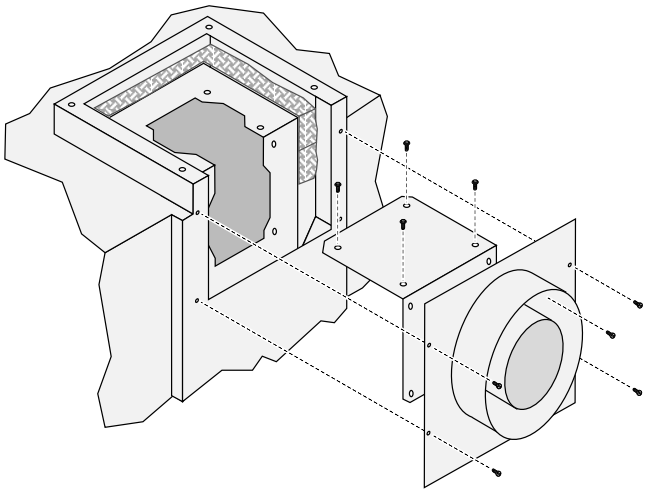
Tuck the two **24**" (**610mm**) pieces of insulation into the area between the exhaust manifold and fireplace can.

WARNING: Failure to properly place the insulation will void the warranty and create a safety hazard.



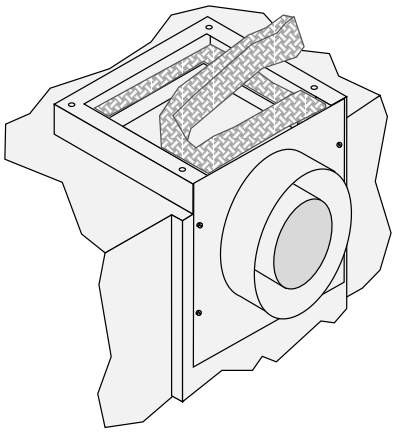
Converting the Fireplace to Side Vent (continued)

Re-attach the flue assembly in the side position.

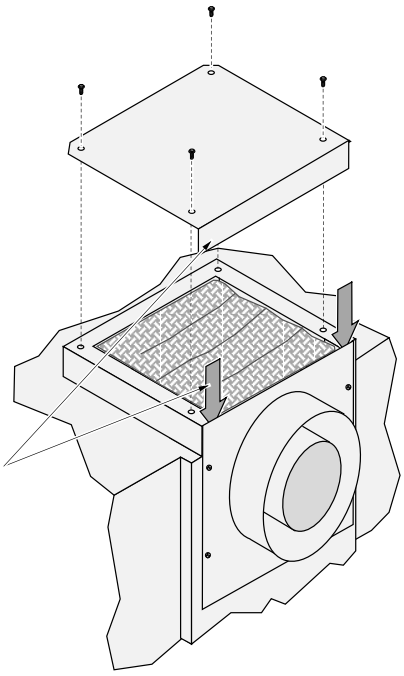


Tuck the two **<u>20</u>**" (**508mm**) pieces of insulation into the area above the exhaust manifold and fireplace can. Note how the insulation is folded in half and covers the entire area above the exhaust manifold (see illustration below).

<u>WARNING: Failure to properly place the insulation will void the warranty and create a safety hazard.</u>



Re-attach the back plate to the top of the fireplace.



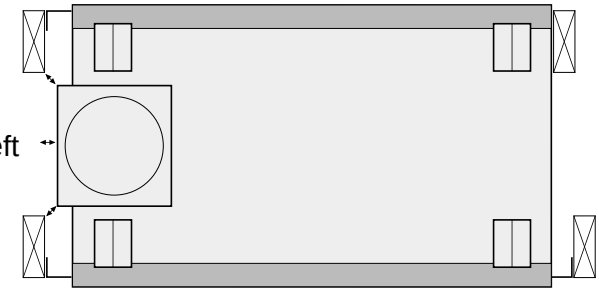
NOTE: Make sure the flange on the back plate tucks between the fireplace and the flue assembly.

Fireplace Placement Requirements

- Fireplace must be installed on a level surface capable of supporting the fireplace and vent.
- Fireplace must be placed directly on wood or non-combustible surface (not on linoleum or carpet).
- This heater may be placed in a bedroom. Please be aware of the large amount of heat this appliance produces when determining a location.
- Fireplace must be installed in a room with a minimum ceiling height of 84” (2134mm).

Clearances

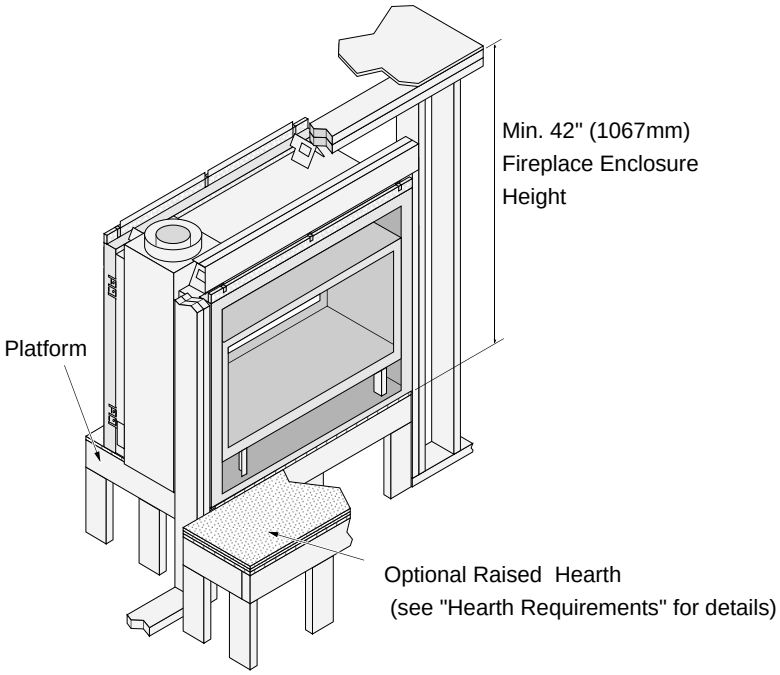
- The fireplace requires a ½” (13mm) clearance from the left side of the fireplace to the framing members. No material (insulation, framing, etc.) may be placed into this area.



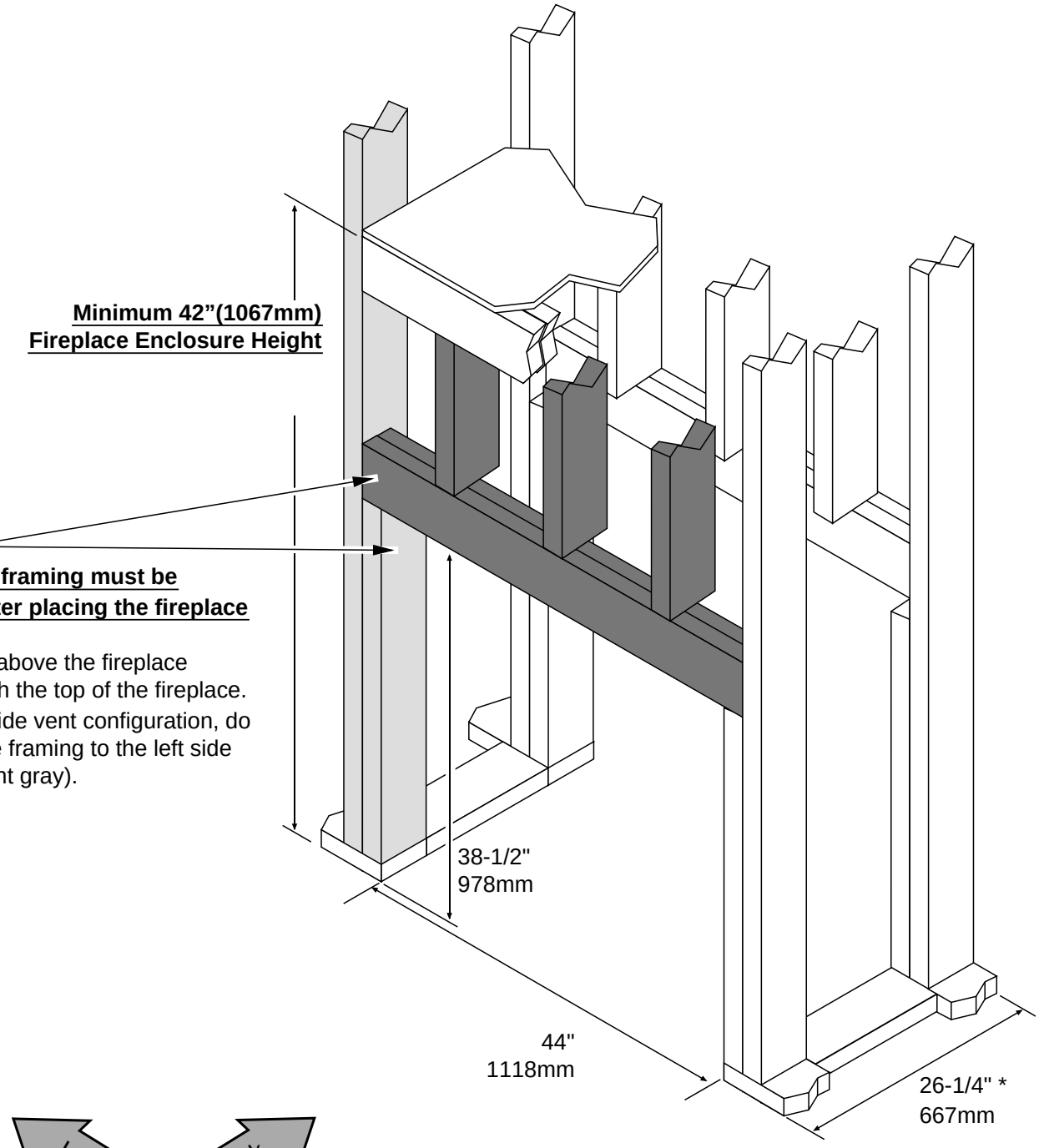
- When installed, walls in front of the fireplace must be a minimum 1" (25mm) to the side of the fireplace (3-1/4” 83mm from the glass frame).
- Due to the high temperature, the heater should be located out of traffic and away from furniture and draperies.
- Fireplace must be placed so the vents below and above the glass do not become blocked.

Raised Fireplaces

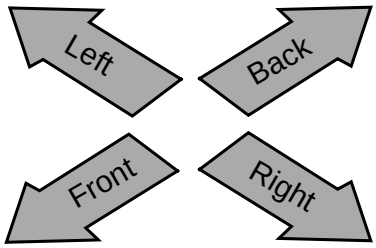
- The fireplace (and hearth, if desired) may be placed on a platform designed to support the fireplace (310 Lbs. 140.7 Kg) and vent.
- The base of the fireplace must be a minimum 70” (1778mm) below the room ceiling.



Minimum Framing Dimensions – Top or Side Vent Configuration



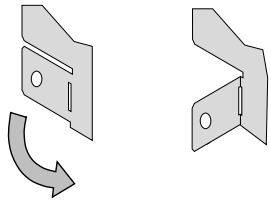
NOTE:
The shaded framing must be installed after placing the fireplace in position.
The framing above the fireplace interferes with the top of the fireplace.
If using the side vent configuration, do not install the framing to the left side (shown in light gray).



* The 26-1/4" (667mm) dimension is based upon 10mm (3/8") drywall around the perimeter of the fireplace on both sides. If using thicker drywall (or other facing), you will need to adjust this dimension.

Nailing Brackets

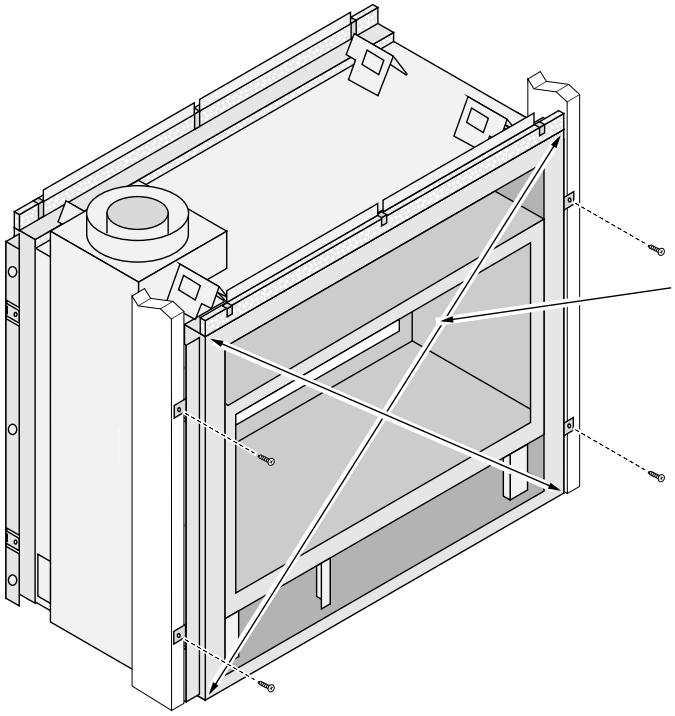
There are eight nailing brackets on the front and back of the fireplace. Bend the tabs out to position the nailing brackets. Once in place, nail or screw the nailing brackets to the framing.



NOTE: Additional nailing brackets are provided along the base of the fireplace. Use these brackets if not using the front brackets.

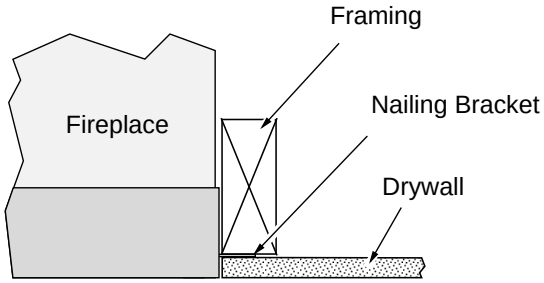
NOTE: The side standoffs have obround holes that allow for the standoff to be adjusted for drywall of 1/2" or 5/8".

NOTE: You may need to bend the tabs out on one side then slide the fireplace out to bend the tabs out on the opposite side



WARNING: Make sure the fireplace is square and plumb when placed in the framing. Measured corner-to-corner, the fireplace should be square (approx. 54-7/8"or 1394mm for each dimension). Use shims to insure the fireplace is square.

TOP VIEW



Gas Line Requirements

MASSACHUSETTS INSTALLATIONS - WARNING:

THIS PRODUCT MUST BE INSTALLED BY A LICENSED PLUMBER OR GAS FITTER WHEN INSTALLED WITHIN THE COMMONWEALTH OF MASSACHUSETTS.

OTHER MASSACHUSETTS CODE REQUIREMENTS:

- Flexible connector must not be longer than 36 inches.
- Shutoff valve must be a “T” handle gas cock.
- Only direct vent sealed combustion products are approved for bedrooms or bathrooms.
- Fireplace dampers must be removed or welded in the open position prior to the installation of a fireplace insert or gas log.
- A carbon monoxide (CO) detector is required in the same room as the appliance.

- The gas line must be installed in accordance with all local codes, if any; if not, follow ANSI 223.1 and the requirements listed below.
- The fireplace and gas control valve must be disconnected from the gas supply piping during any pressure testing of that system at test pressures in excess of 1/2 psig (3.5 kPA). For pressures under 1/2 psig (kPA), isolate the gas supply piping by closing the manual shutoff valve.
- Leak test all gas line joints and the gas control valve prior to and after starting the fireplace.

Fuel

- This fireplace is designed either for natural gas or for propane (but not for both). Check the sticker on the top of the gas control valve to make sure the correct fuel is used.

Gas Line Connection

- Installation must be performed by a qualified installer, service agency or the gas supplier (In Massachusetts a licensed plumber/gasfitter).

Gas Inlet Pressure

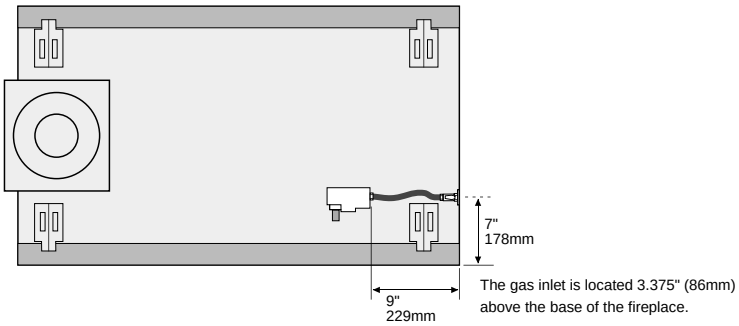
	Standard Input Pressure
Natural Gas	7" W.C. (1.74 kPA)
Propane	13" W.C. (2.73 kPA)

- If the pressure is not sufficient, make sure the piping used is large enough, the supply regulator is adequately adjusted, and the total gas load for the residence does not exceed the amount supplied.
- The supply regulator (the regulator that attaches directly to the residence inlet or to the propane tank) should supply gas at the suggested input pressure listed above. Contact the local gas supplier if the regulator is at an improper pressure.

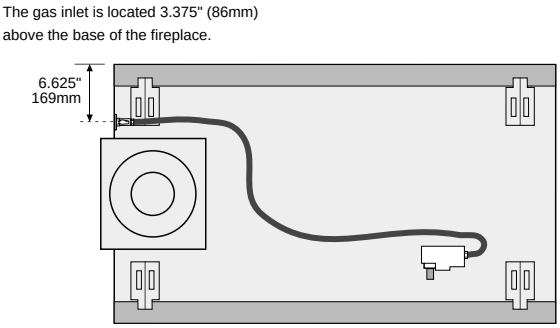
Gas Line Location

NOTE: The shutoff valve is attached to the side of the fireplace. If using rigid pipe, the shutoff valve may be removed from the cover plate and attached to the shutoff valve inside the fireplace.

Right Side Gas Inlet (Stock)



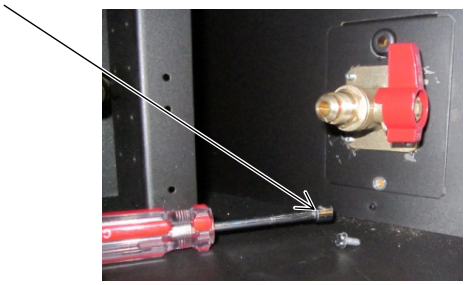
Left Side Gas Inlet (requires addtional flex connector)



Converting Gas Line to the Left Side

1. Disconnect the gas line from the shutoff valve (3/4" wrench). Gas line is located inside the fireplace on the right side.

2. Remove the screw that holds the shutoff valve plate in place (1/4" nutdriver). Remove the shutoff valve plate.

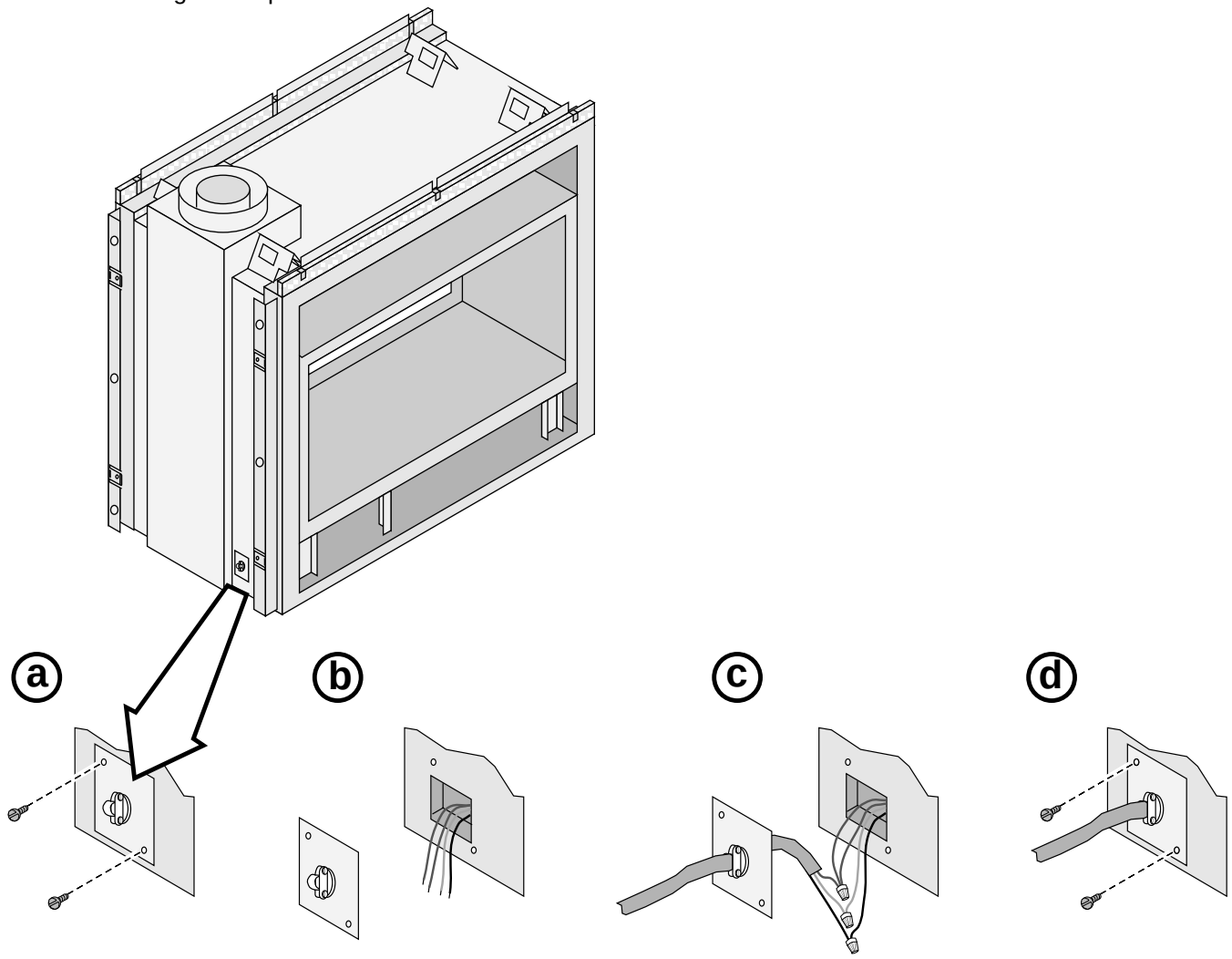


3. Remove the cover plate from the left side of the fireplace (it is held in place in the same fashion as the shutoff valve plate). Attach it to the right side of the fireplace.
4. Attach the shutoff valve plate to the left side of the fireplace. Route the gas line to the left side and re-attach the gas line to the shutoff valve. Make sure to leak test the entire gas line.

Electrical Connection (required)

- The electrical line to the grounded receptacle inside the fireplace must be installed by a qualified installer and must meet all local codes.
- Make sure the household breaker is shut off prior to working on any electrical lines.
- The appliance, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70, or the Canadian Electrical Code, CSA C22.1.
- The electrical line must supply 240 Volts at 60 Hz (2 Amps).

Caution: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation.



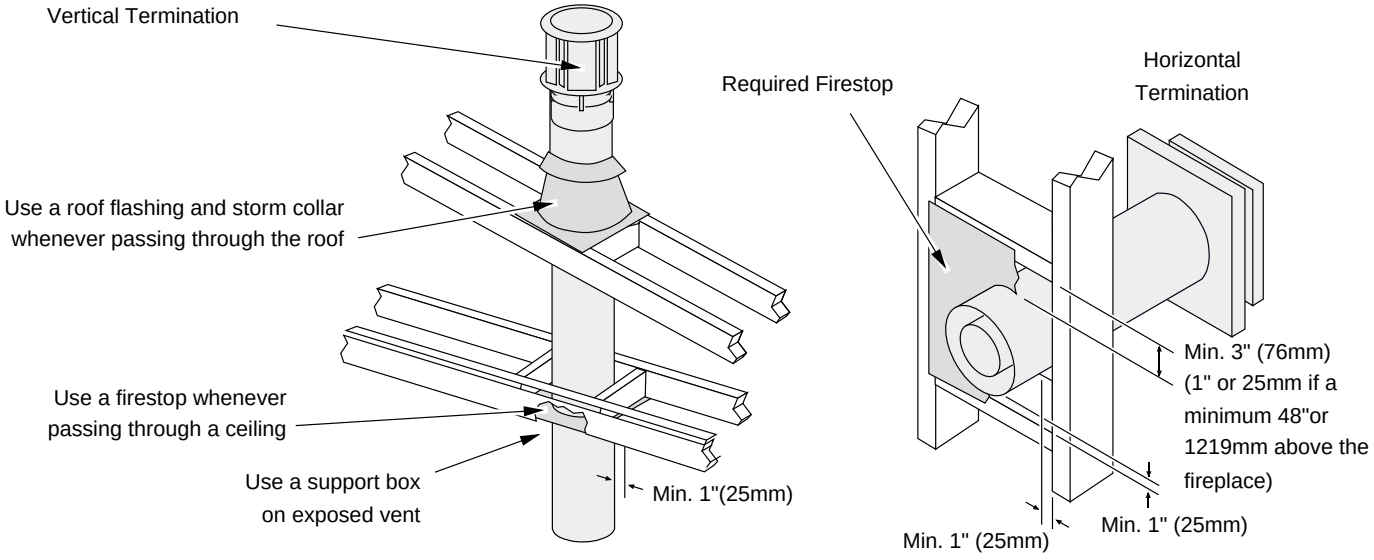
Vent Requirements

- The gas appliance and vent system must be vented directly to the outside of the building, and never be attached to a chimney serving a separate solid fuel or gas-burning appliance. Each direct vent gas appliance must use its own separate vent system.
- In addition to the requirements listed here, follow the requirements provided with the vent.
- A firestop is required whenever the vent penetrates a wall, floor, or ceiling (passes through framing members). Horizontal vent less than 48" (1219mm) above the fireplace must use the Travis Firestop (sku 93006094 - it incorporates a 3" (76mm) clearance above, 1" (25mm) clearance below and to the sides of the vent). Other penetrations only require a 1" (25mm) clearance and may use a standard firestop (make sure the required 1" (25mm) clearance is met).

Vent Clearances

- The vent must maintain the required clearance to combustible materials to prevent a fire. Do not fill air spaces with insulation.

	Before 48" (1219mm) Rise	After 48" (1219mm) Rise
Sides	1" (25mm)	1" (25mm)
Above	3" (76mm)	1" (25mm)
Below Horizontal or 45° Section	1" (25mm)	1" (25mm)


Vertical Termination
Use a roof flashing and storm collar whenever passing through the roof
Use a firestop whenever passing through a ceiling
Use a support box on exposed vent
Min. 1"(25mm)
Required Firestop
Horizontal Termination
Min. 3" (76mm) (1" or 25mm if a minimum 48"or 1219mm above the fireplace)
Min. 1" (25mm)
Min. 1" (25mm)

Altitude Considerations

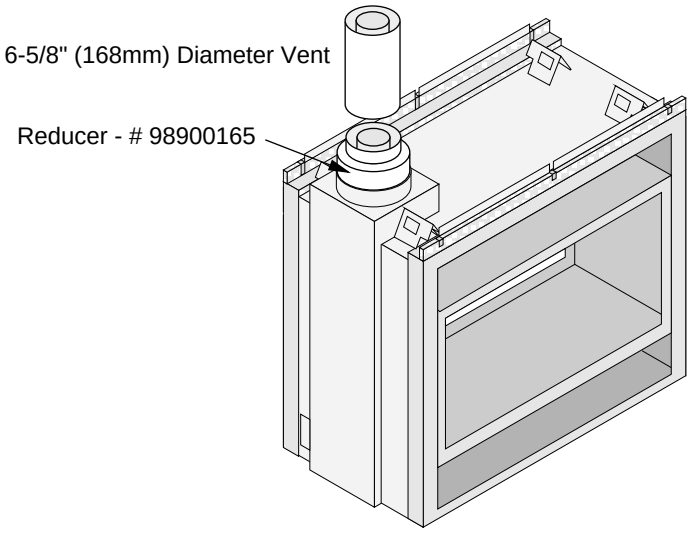
- This heater has been tested at altitudes ranging from sea level to 6,000 feet (1800 M). In this testing we have found that the heater, with its standard orifice, burns correctly with just an air shutter adjustment.
- Failure to adjust the air shutter properly may lead to improper combustion which can create a safety hazard. Consult your dealer or installer if you suspect an improperly adjusted air shutter.

Approved Vent

- Side vent configurations use 8" (203mm) diameter Simpson Dura-Vent Model Direct-Vent Pro (or GS)*.
- Top vent configurations use 8" (203mm) or 6-5/8" (168mm) diameter Simpson Dura-Vent Direct-Vent Pro (or GS)*. If using 6-5/8" (168mm) diameter vent, attach the 8" (203mm) to 6-5/8" (168mm) reducer (Travis part # 98900165) to the fireplace.
  NOTE: When using 6-5/8" (168mm) diameter vent, make sure to accommodate the 3" (76mm) clearance above the vent for the first 48" (1219mm) of rise (see vent clearances on page 17). Standard firestops do not include this clearance.

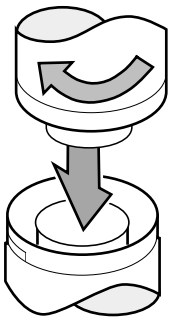
  * Other vent may be approved with this fireplace. Check with the vent manufacturer for details.

- Always use the high-wind cap (or high-wind sconce cap, part # 58DVA-HSCH or 46DVA-HSCH).
- Installation instructions for Simpson Dura-Vent may be found at www.duravent.com



Vent Installation

- Slide the vent sections together and turn 1/4 turn until the sections lock in place.
- Screws are not required to secure the vent. However, three screws may be used to secure vent sections together if desired.
- High temperature sealant is recommended at the appliance starter section connection (use high-temperature silicone or Mill-Pac®).
- If disassembly is required, at time of re-assembly check to see if the vent creates a tight fit. If it does not, apply high temperature sealant to the joints of the affected sections.



- Horizontal sections require a 1/4" (6mm) rise every 12" (305mm) of travel
- Horizontal sections require non-combustible support every three feet (e.g.: plumbing tape)

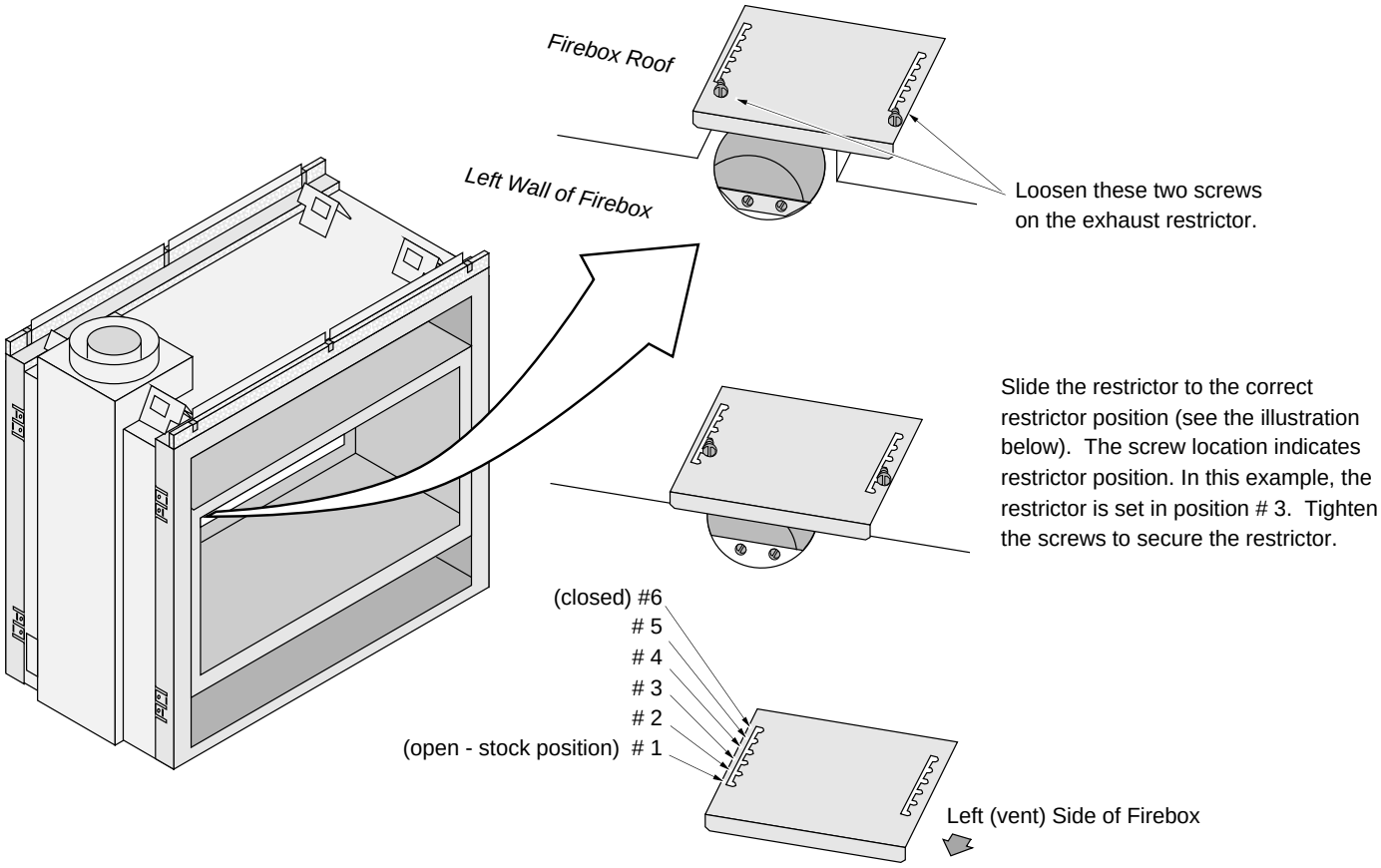
Approved Vent Configurations

Restrictor Position

- Intake and exhaust restrictors are built into the appliance to adjust the flow rate of intake air and exhaust gases. Depending upon the vent configuration, you may be required to adjust the restrictor positions. The charts for acceptable vent configurations detail the correct vent restrictor positions.

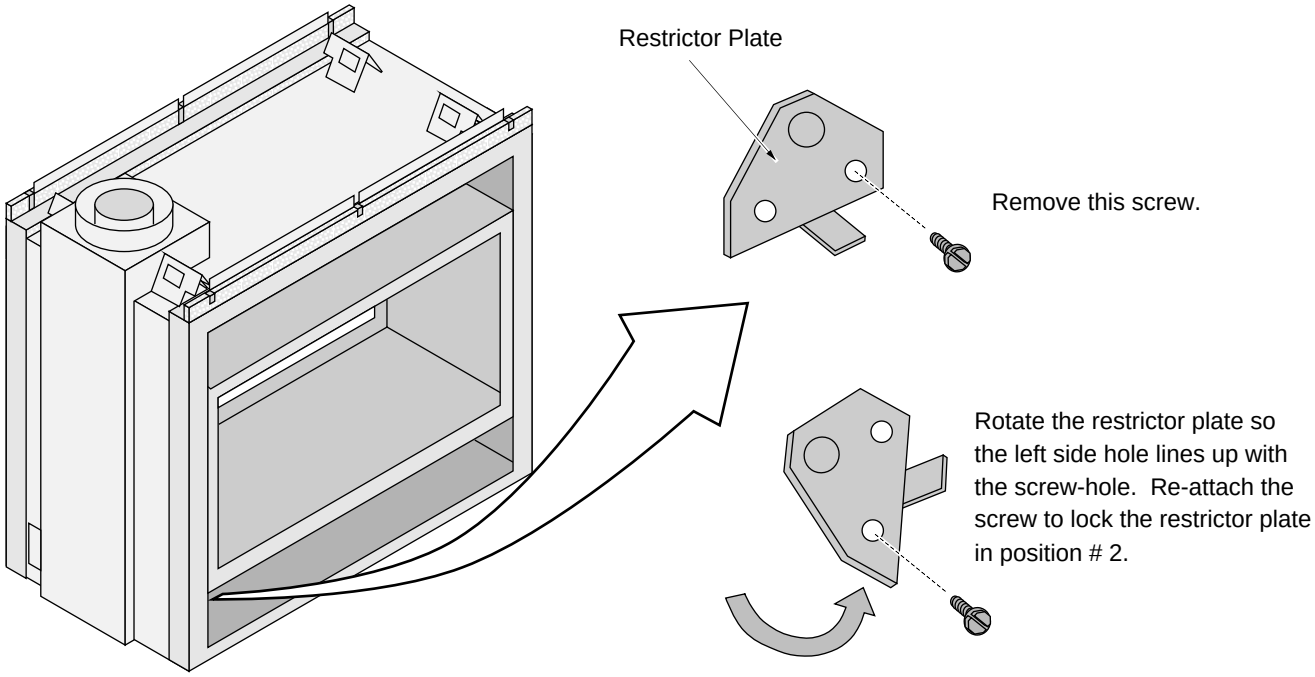
Exhaust Restrictor Adjustment

If the diffuser is required to be in position # 2, you may wish to adjust the diffuser while the exhaust restrictor is removed.


Firebox Roof
Left Wall of Firebox
Loosen these two screws on the exhaust restrictor.
Slide the restrictor to the correct restrictor position (see the illustration below). The screw location indicates restrictor position. In this example, the restrictor is set in position # 3. Tighten the screws to secure the restrictor.
(closed) #6
5
4
3
2
(open - stock position) # 1
Left (vent) Side of Firebox

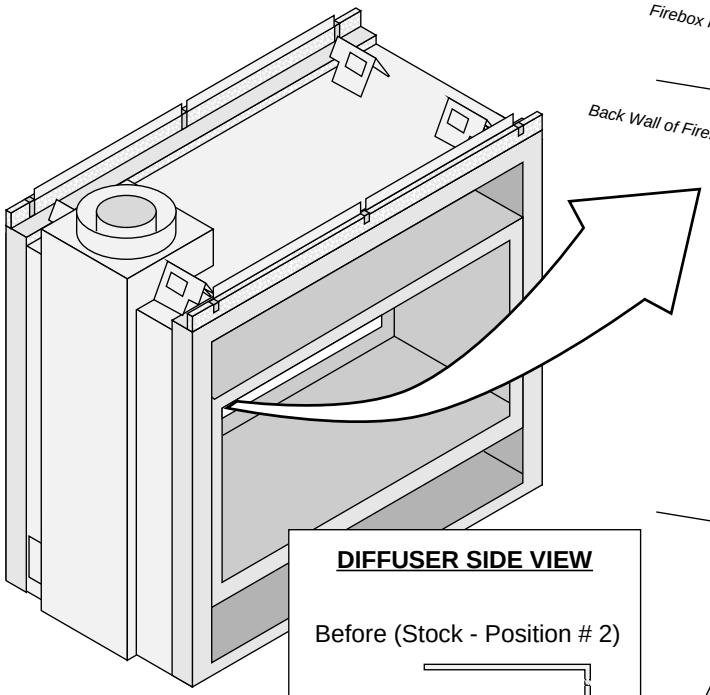
Intake Restrictor Adjustment

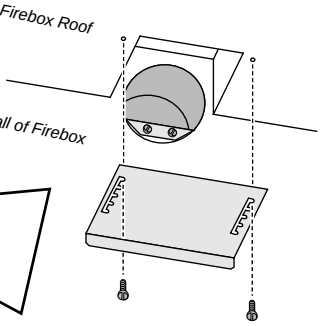
The intake restrictor is shipped in position # 1 (open). To adjust the restrictor to position # 2 (closed), follow the directions below.


Restrictor Plate
Remove this screw.
Rotate the restrictor plate so the left side hole lines up with the screw-hole. Re-attach the screw to lock the restrictor plate in position # 2.

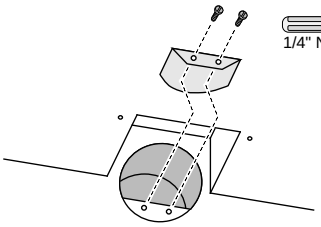
Diffuser Plate Adjustment

Certain vent configurations require the diffuser plate to be adjusted (refer to the approved vent configuration charts for details). See the directions below to change the diffuser to position.





Remove the exhaust restrictor.

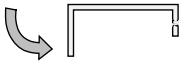


Remove the diffuser.

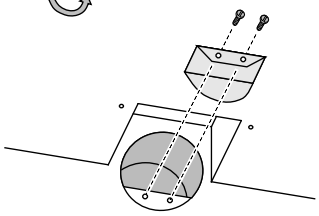
DIFFUSER SIDE VIEW

Before (Stock - Position # 2)

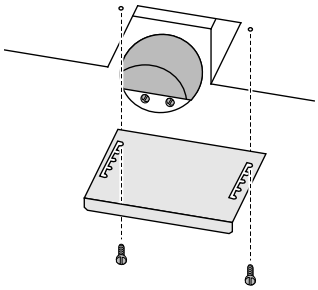
After (Position # 1)



Bend the round portion of the diffuser 90° (position # 1).



Secure the diffuser plate with the screws removed earlier.

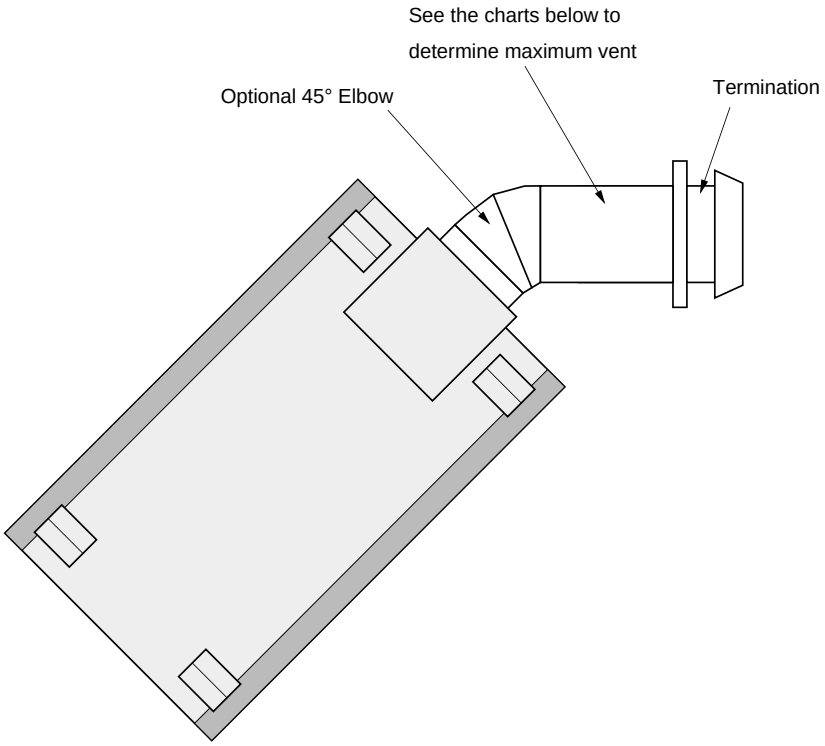


Replace the exhaust restrictor (see “Exhaust Restrictor Adjustment” for restrictor settings).

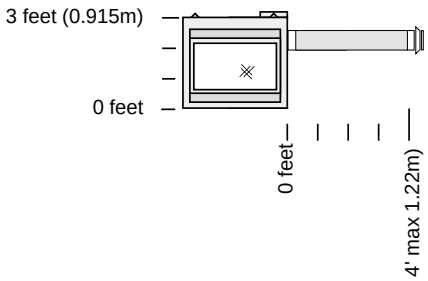
Side Vent Configuration with Horizontal Termination (no vertical rise)

- The termination must fall within the shaded area shown in the chart. Use the indicated restrictor and diffuser positions.

HINT: Travis Industries provides a minimum vent kit (sku 98900168). It includes a 4" (102mm) section and a horizontal termination cap.



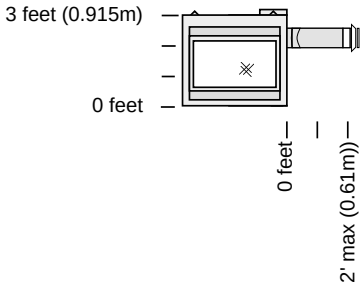
Vent with No 45° Elbow



- Exhaust Restrictor # 1 (stock)
- Intake Restrictor # 1 (stock)
- Diffuser Position # 1

- Min. 4" (102mm) Horizontal Section
- Max.48" (1219mm) Horizontal Section(s)

Vent with 1 45° Elbow

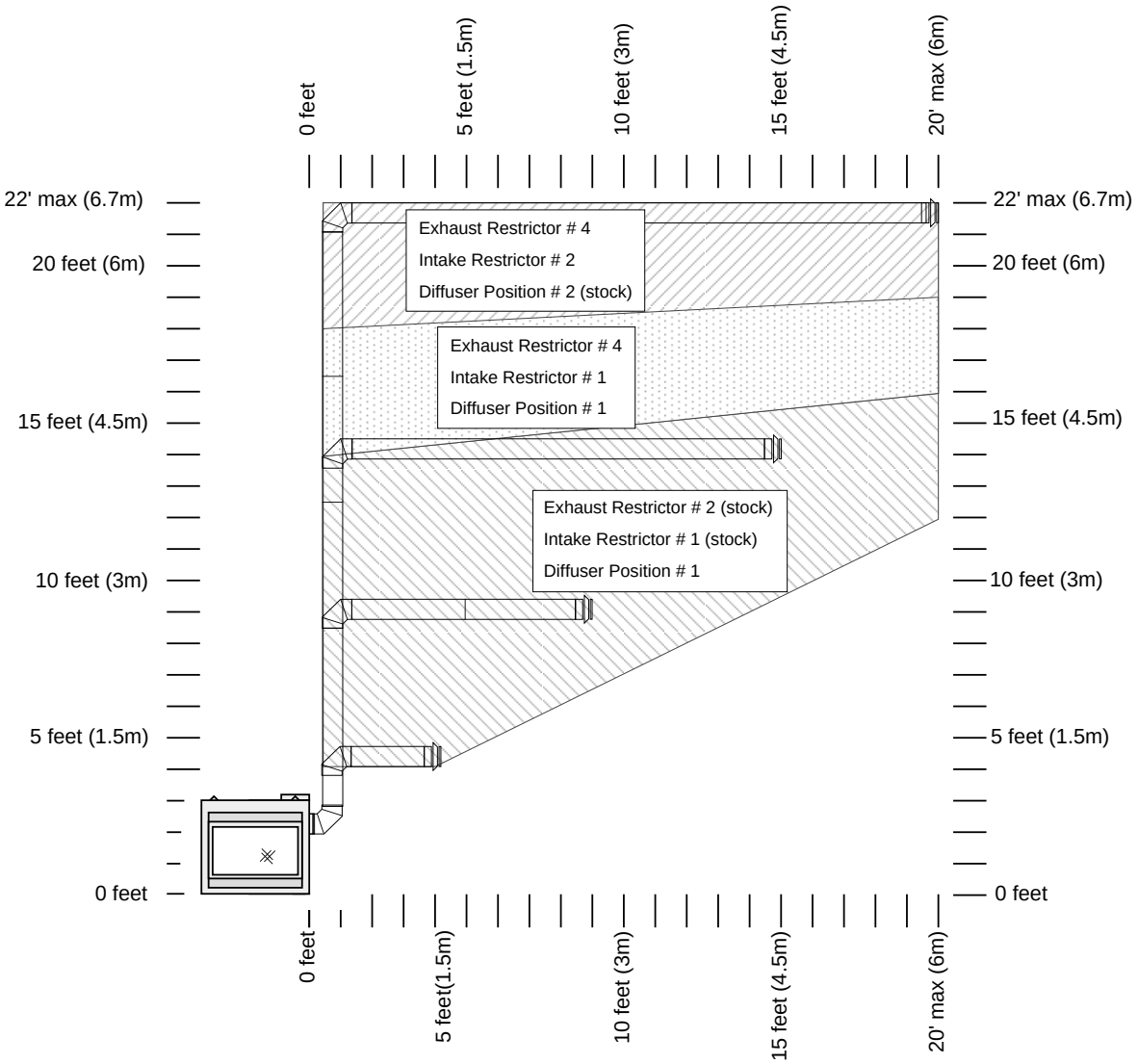


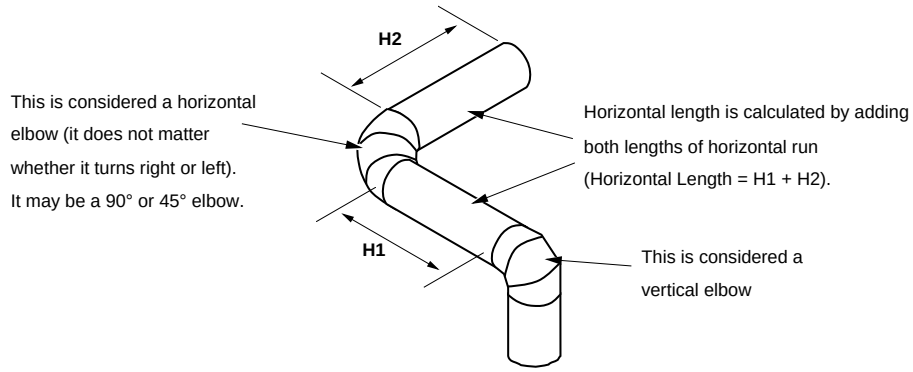
- Exhaust Restrictor # 1 (stock)
- Intake Restrictor # 1 (stock)
- Diffuser Position # 1

- Min. 4" (102mm) Horizontal Section
- Max. 24" (610mm) Horizontal Section(s)

Side Vent Configuration with Horizontal Termination (with vertical rise)

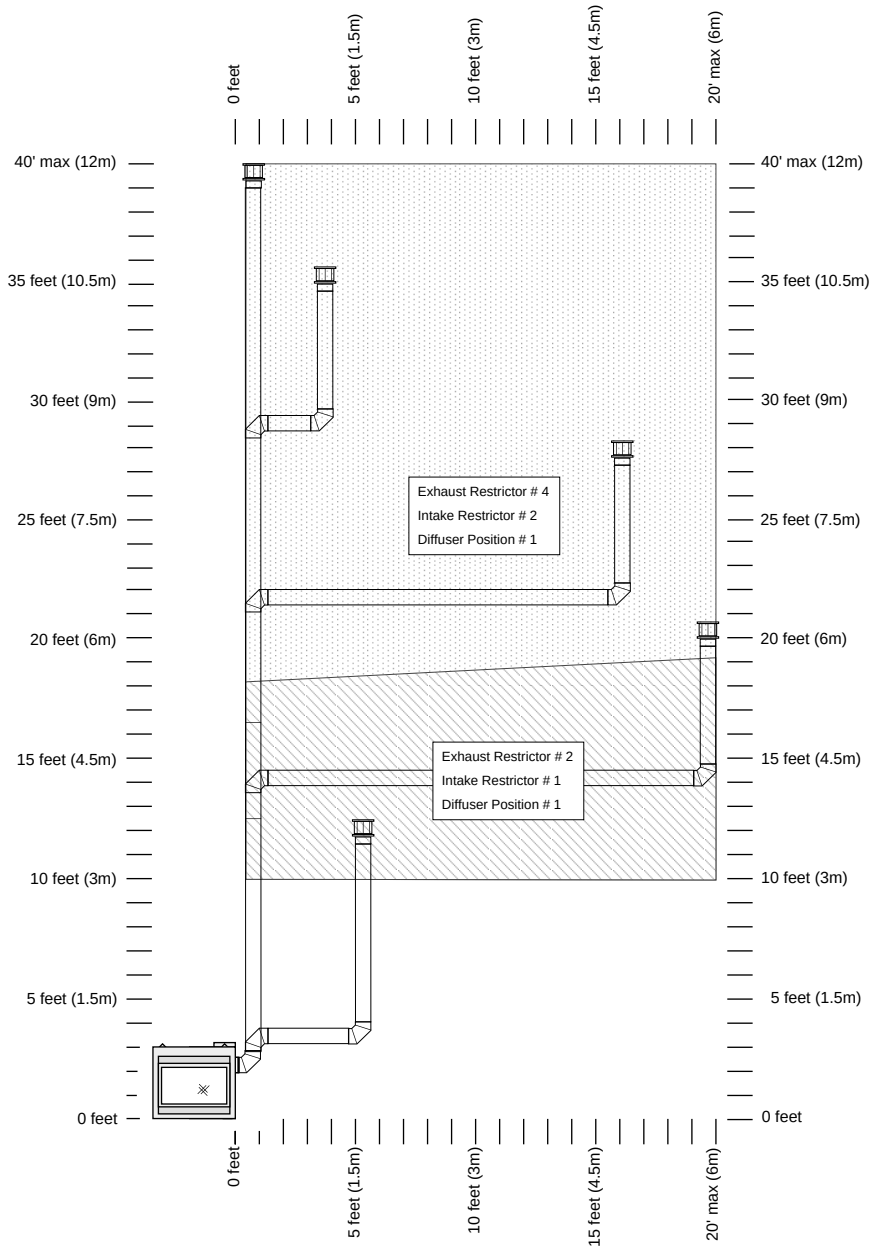
- The termination must fall within the shaded area shown in the chart. Use the indicated restrictor and diffuser positions.
- Up to four elbows (45° or 90°) may be used.
- Only one horizontal elbow may be used.

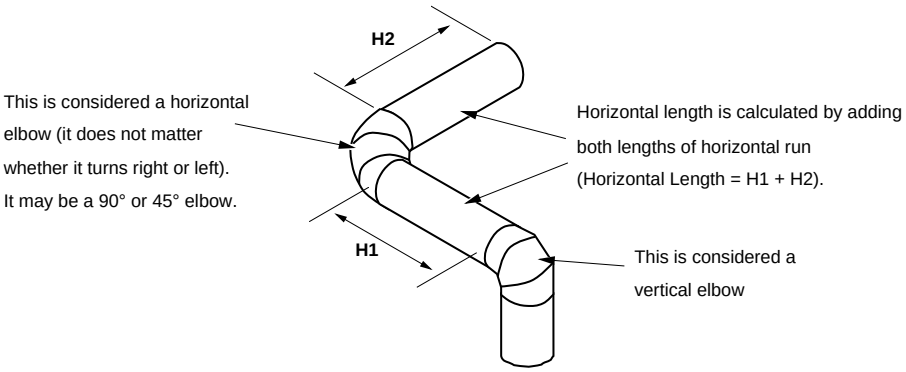



H2
This is considered a horizontal elbow (it does not matter whether it turns right or left). It may be a 90° or 45° elbow.
Horizontal length is calculated by adding both lengths of horizontal run (Horizontal Length = H1 + H2).
H1
This is considered a vertical elbow

Side Vent Configuration with Vertical Termination

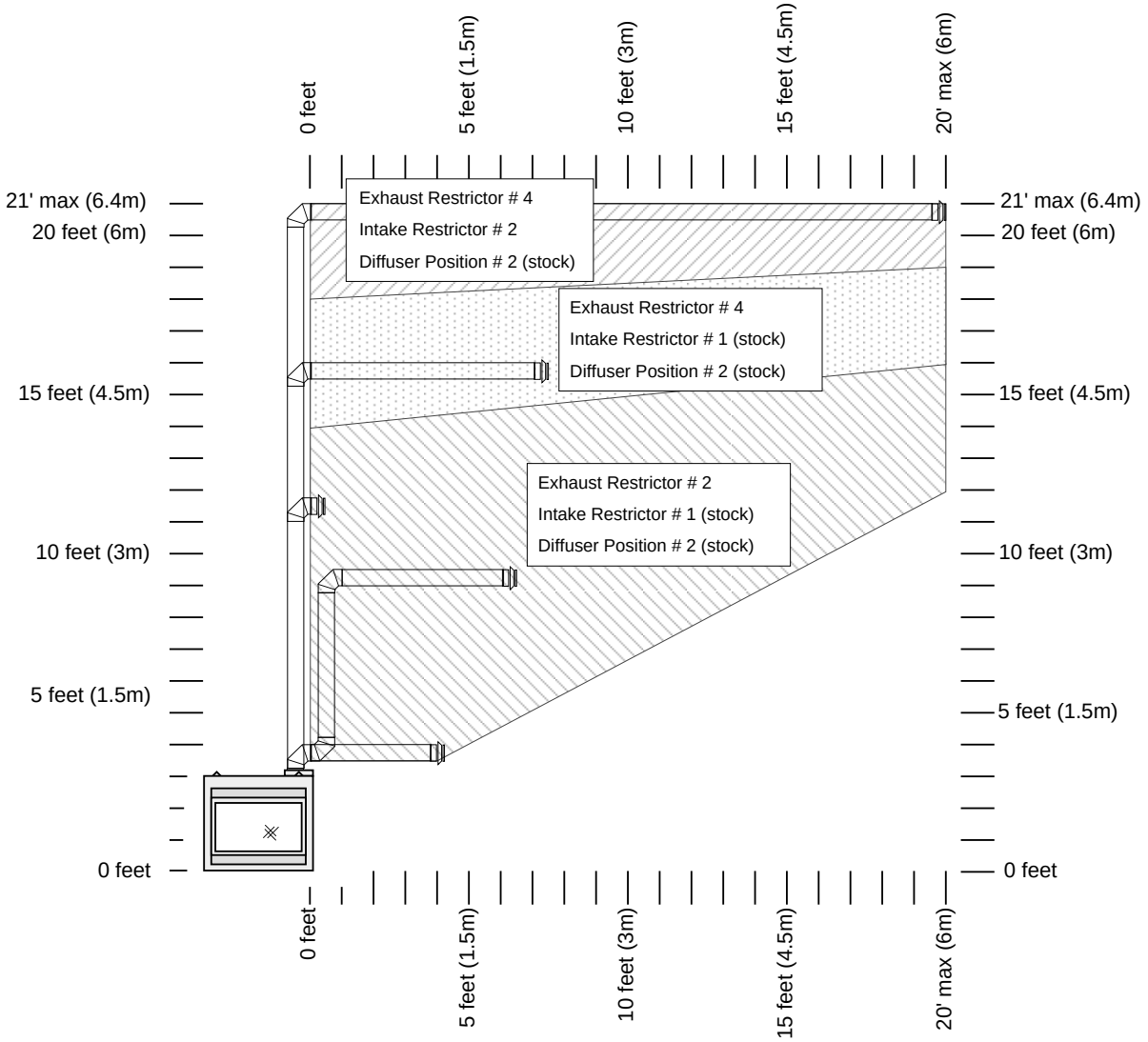
- The termination must fall within the shaded area shown in the chart. Use the indicated restrictor and diffuser positions.
- Up to four elbows (45° or 90°) may be used.
- Only one horizontal elbow may be used.

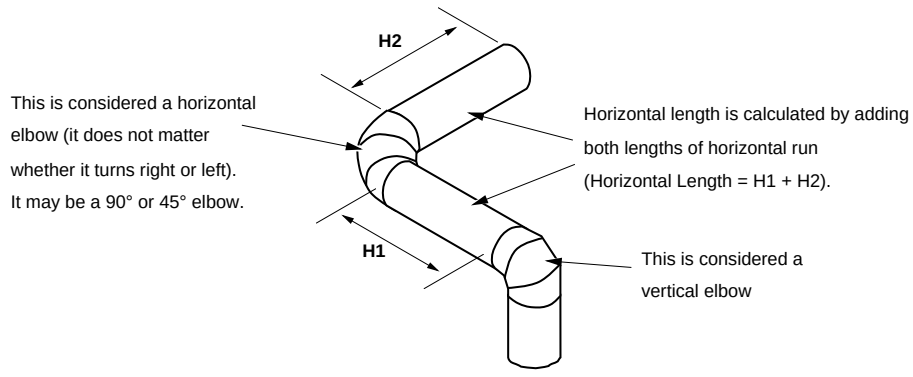



H2
H1
This is considered a horizontal elbow (it does not matter whether it turns right or left). It may be a 90° or 45° elbow.
Horizontal length is calculated by adding both lengths of horizontal run (Horizontal Length = H1 + H2).
This is considered a vertical elbow

Top Vent Configuration with Horizontal Termination

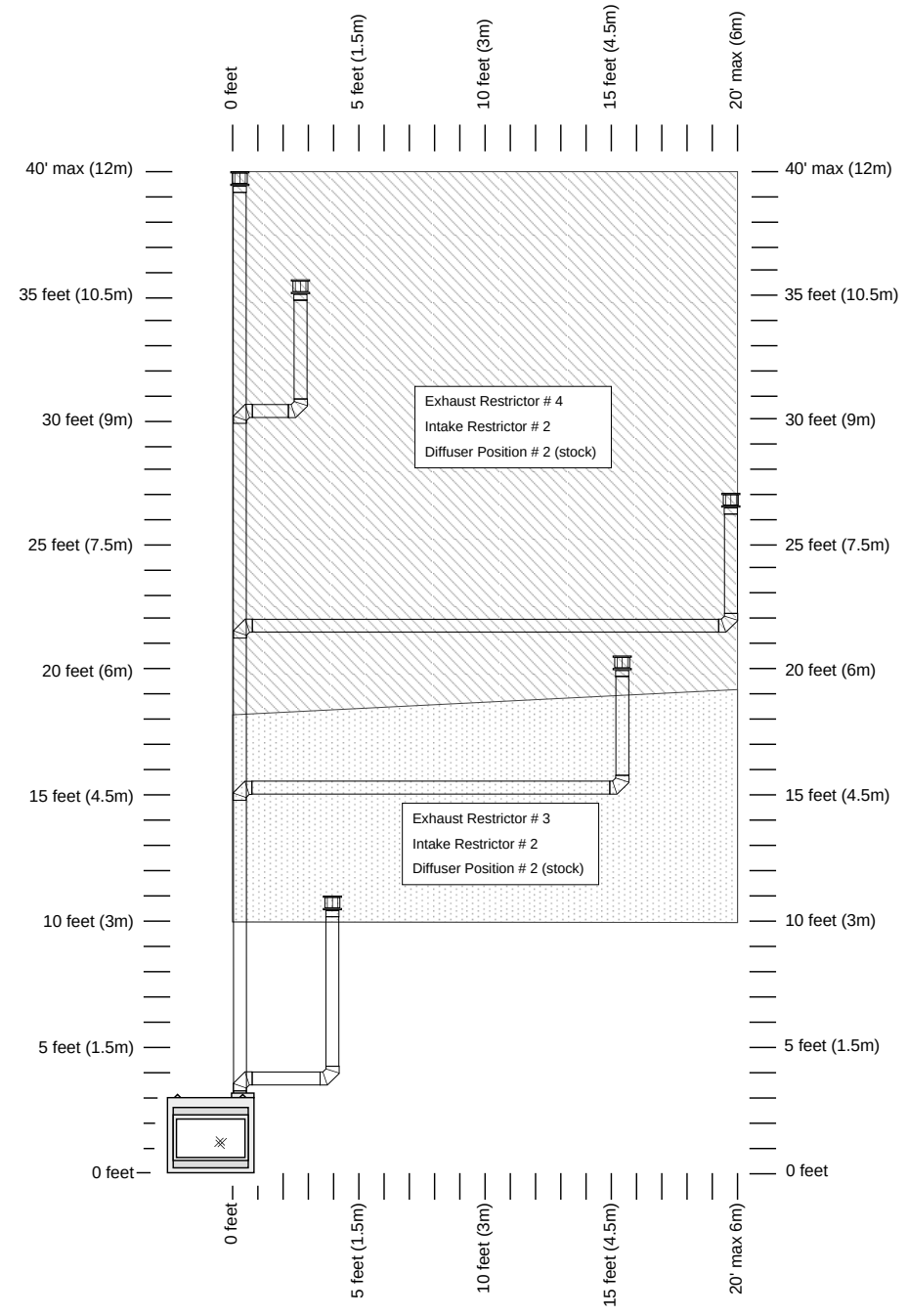
- The termination must fall within the shaded area shown in the chart. Use the indicated restrictor and diffuser positions.
- Up to four elbows (45° or 90°) may be used.
- May use 8" (203mm) or 6-5/8" (168mm) diameter vent (see page for 17 details).
- Only one horizontal elbow may be used.

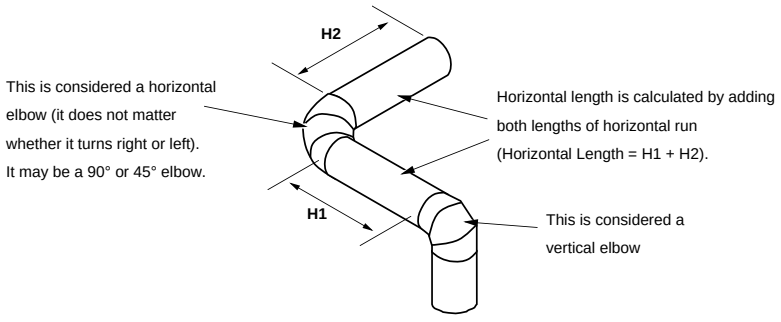



H2
H1
This is considered a horizontal elbow (it does not matter whether it turns right or left). It may be a 90° or 45° elbow.
Horizontal length is calculated by adding both lengths of horizontal run (Horizontal Length = H1 + H2).
This is considered a vertical elbow

Top Vent Configuration with Vertical Termination

- The termination must fall within the shaded area shown in the chart. Use the indicated restrictor and diffuser positions.
- Up to four elbows (45° or 90°) may be used.
- Only one horizontal elbow may be used.
- May use 8" (203mm) or 6-5/8" (168mm) diameter vent (see page for 17 details).

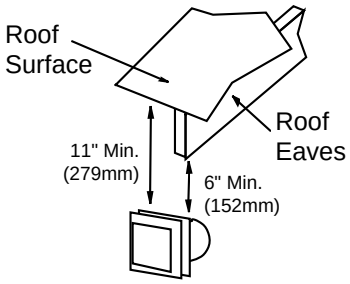



H2
H1
This is considered a horizontal elbow (it does not matter whether it turns right or left). It may be a 90° or 45° elbow.
Horizontal length is calculated by adding both lengths of horizontal run (Horizontal Length = H1 + H2).
This is considered a vertical elbow

Termination Requirements

Vent Terminations Must Comply with AS/NZS 5601.1

! Venting terminals shall not be recessed into a wall or siding.



A Minimum 9" (229mm) clearance from any door or window

B Minimum 12" (305mm) above any grade, veranda, porch, deck or balcony

C Minimum 3-3/8" (86mm) from outside corner walls
NOTE: Clearance in accordance with local installation codes and the requirements of the gas supplier.

D Minimum 12" (305mm) from inside corner walls
NOTE: Clearance in accordance with local installation codes and the requirements of the gas supplier.

E Minimum 11" (279mm) clearance below unventilated soffits or roof surfaces
Minimum 18" (457mm) clearance below ventilated soffits
Minimum 6" (152mm) clearance below roof eaves
NOTE: Vinyl surfaces require 24" (610mm)
NOTE: Clearance in accordance with local installation codes and the requirements of the gas supplier.

F Minimum 12" (305mm) clearance below a veranda, porch, deck or balcony
NOTE: Permitted only if veranda, porch, deck, or balcony is fully open on a minimum of two sides beneath the floor.
NOTE: Clearance in accordance with local installation codes and the requirements of the gas supplier.

G Minimum 48" (1219mm) clearance from any adjacent building

H Minimum 84" (2134mm) clearance above any grade when adjacent to public walkways or driveways
NOTE: may not be used over a walkway or driveway shared by an adjacent building

I Minimum 9" (229mm) clearance to any non-mechanical air supply inlet to the building or the combustion air inlet to any other appliance.

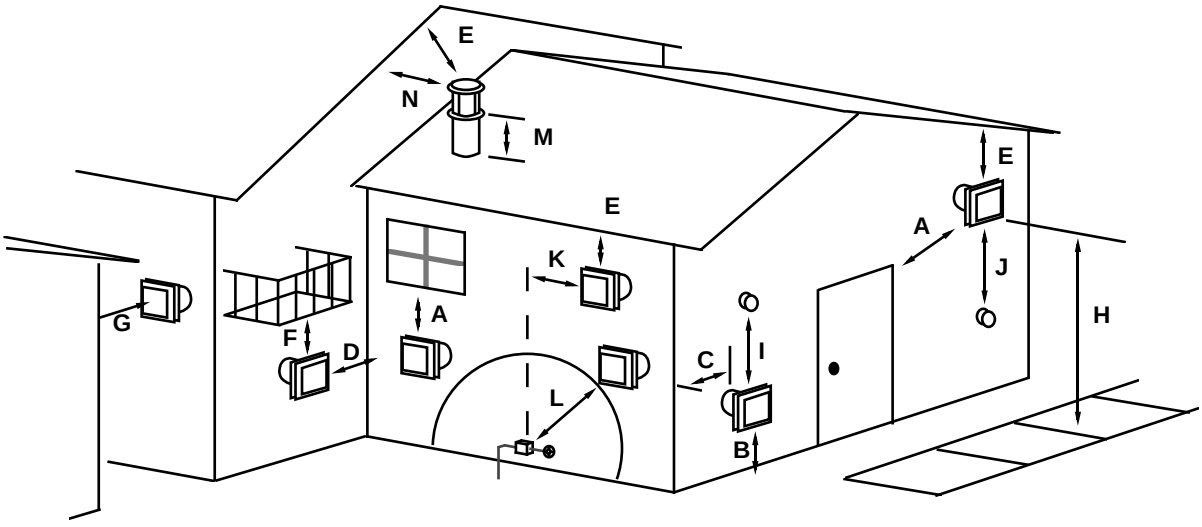
J Minimum 36" (914mm) clearance above any mechanical air supply inlet if within 10' (3M) horizontally

K Minimum 36" (914mm) from the area above the meter/regulator (vent outlet) - this extends 15' (4.5M) above the regulator
NOTE: Clearance in accordance with local installation codes and the requirements of the gas supplier.

L Minimum 36" (914mm) from the meter/regulator (vent outlet)
NOTE: Clearance in accordance with local installation codes and the requirements of the gas supplier.

M Minimum 12" (305mm) above the roof line (for vertical terminations)

N Minimum 24" (610mm) horizontal clearance to any surface (such as an exterior wall) – for vertical terminations

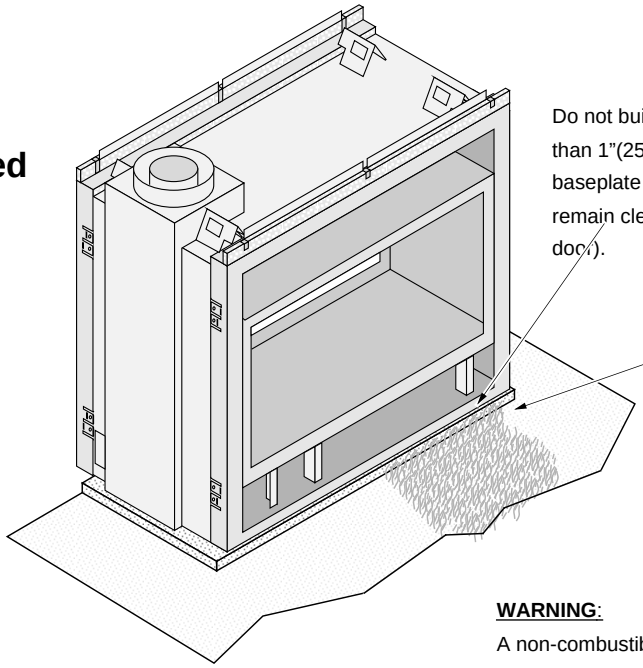


NOTE: Measure clearances to the nearest edge of the exhaust hood.

- Use the vinyl siding standoff when installing on an exterior with vinyl siding.
- Vent termination must not be located where it will become plugged by snow or other material

Hearth Requirements

Floor Mounted Fireplaces



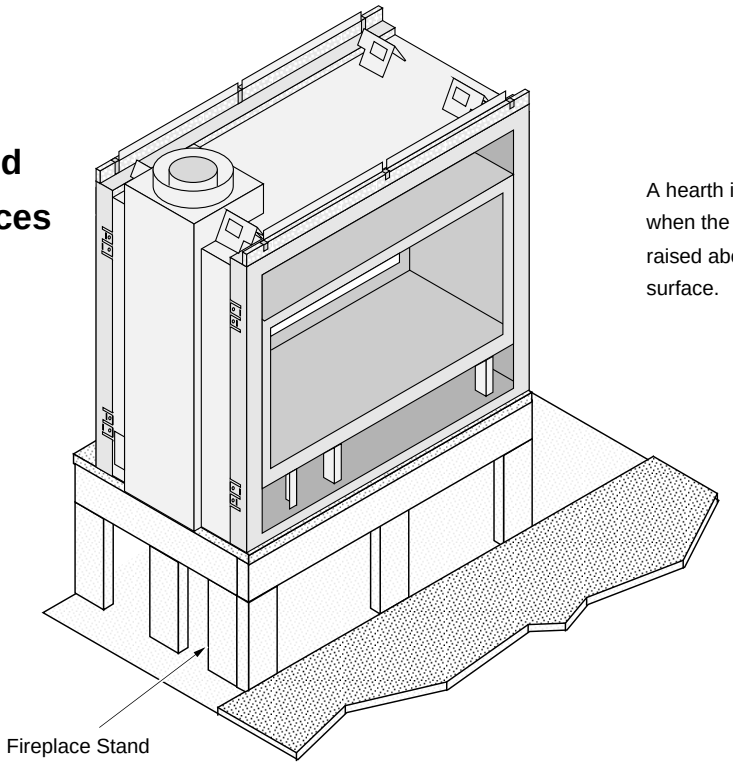
Do not build a hearth more than 1"(25mm) above the baseplate (this area must remain clear for the access door).

If installed near carpet or other combustible flooring, the fireplace must be raised so the base of the unit is above the carpet surface or flooring material.

WARNING:

A non-combustible hearth is not required. However, if the heater is installed next to the floor, we recommend a hearth to protect the flooring surface from discoloration or other negative impact from the heater.

Raised Fireplaces



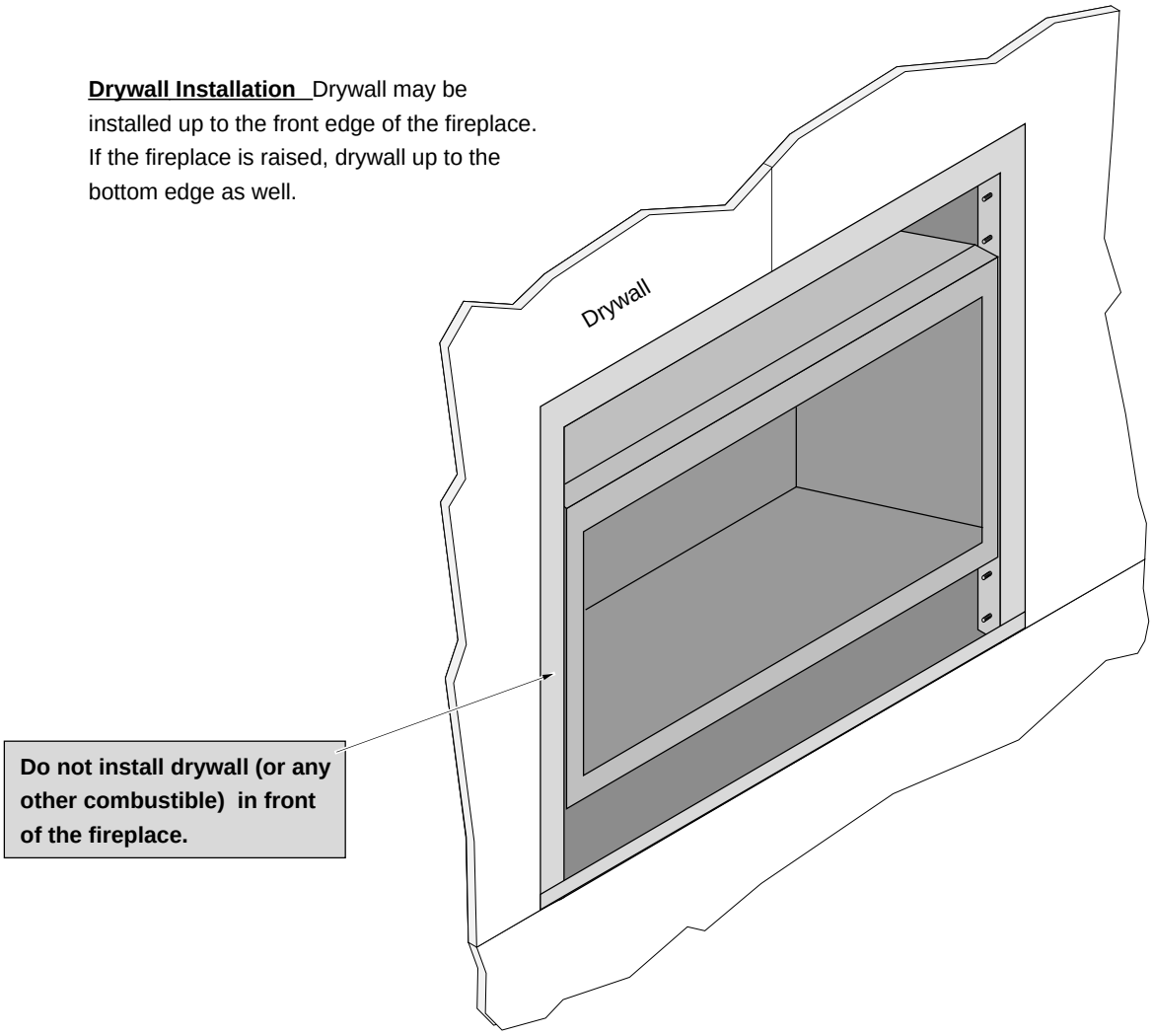
A hearth is not required when the fireplace is raised above the flooring surface.

Facing Requirements

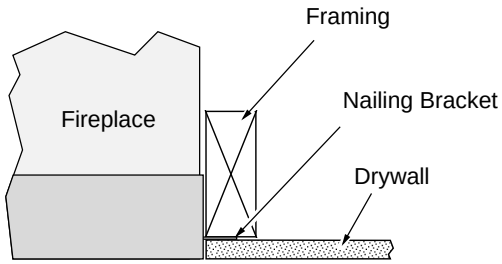
- This appliance is designed to allow for drywall (or other combustible facing) to contact the sides and top of the front of the fireplace.
- Tile or other non-combustible facing may be placed on the front of the fireplace (see "Facing Overview" on page 30 for further details).

Drywall Installation

Drywall Installation Drywall may be installed up to the front edge of the fireplace. If the fireplace is raised, drywall up to the bottom edge as well.



TOP VIEW



Facing Overview

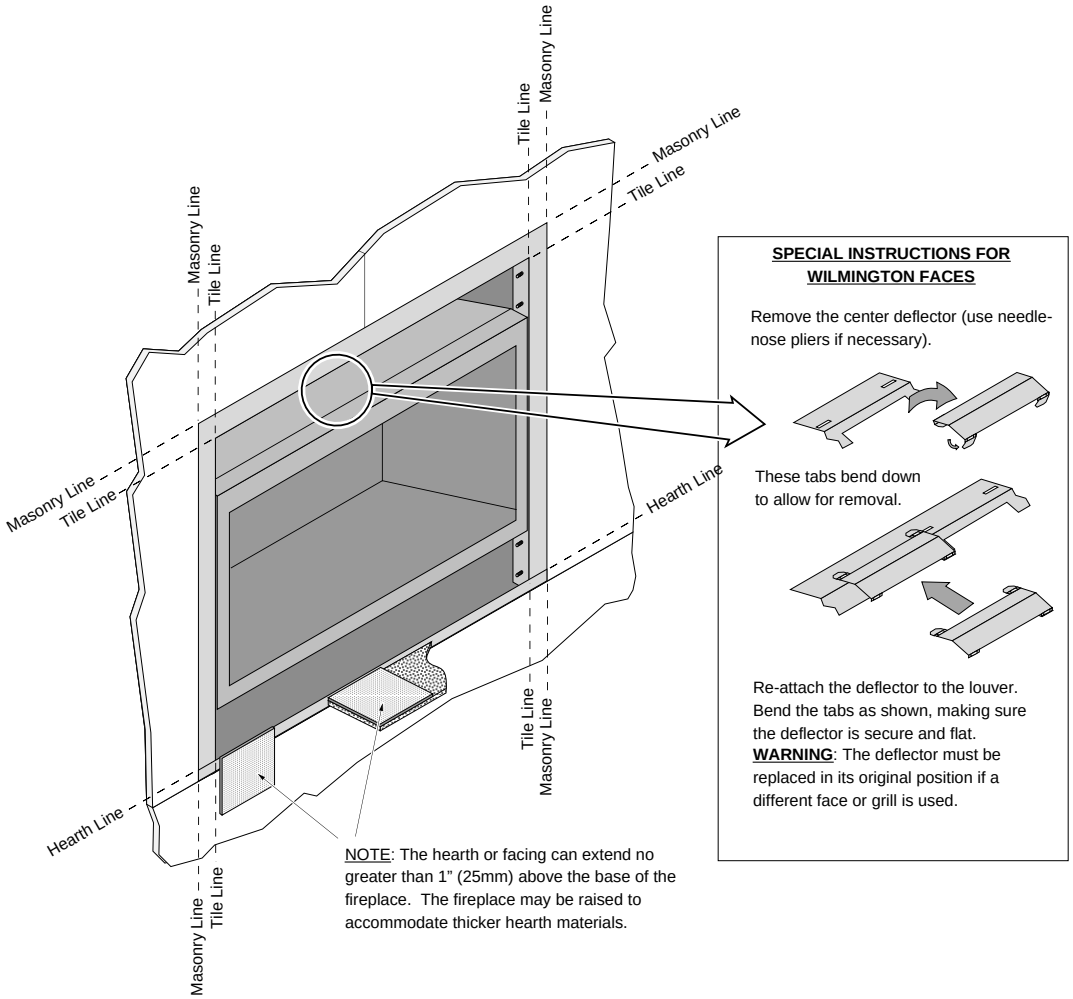
Upgrade faces are available for this fireplace and may influence facing installation. Consult with your Travis Dealer if you are using an upgrade face.

Optional non-combustible facing may be installed on the fireplace. Use the guidelines below to determine the location (also see the following pages for detailed diagrams.

Tile Line Any non-combustible facing under 1" (25mm) thick (see "Thin Facing" on page 31).

Masonry Line Any non-combustible over 1" (25mm) thick (see "Thick Facing" on page 33).

Hearth Line Non-combustible hearth/facing should be installed up to this location (1" (25mm) above the base of the fireplace). The fireplace may be raised to accommodate thicker hearth materials.

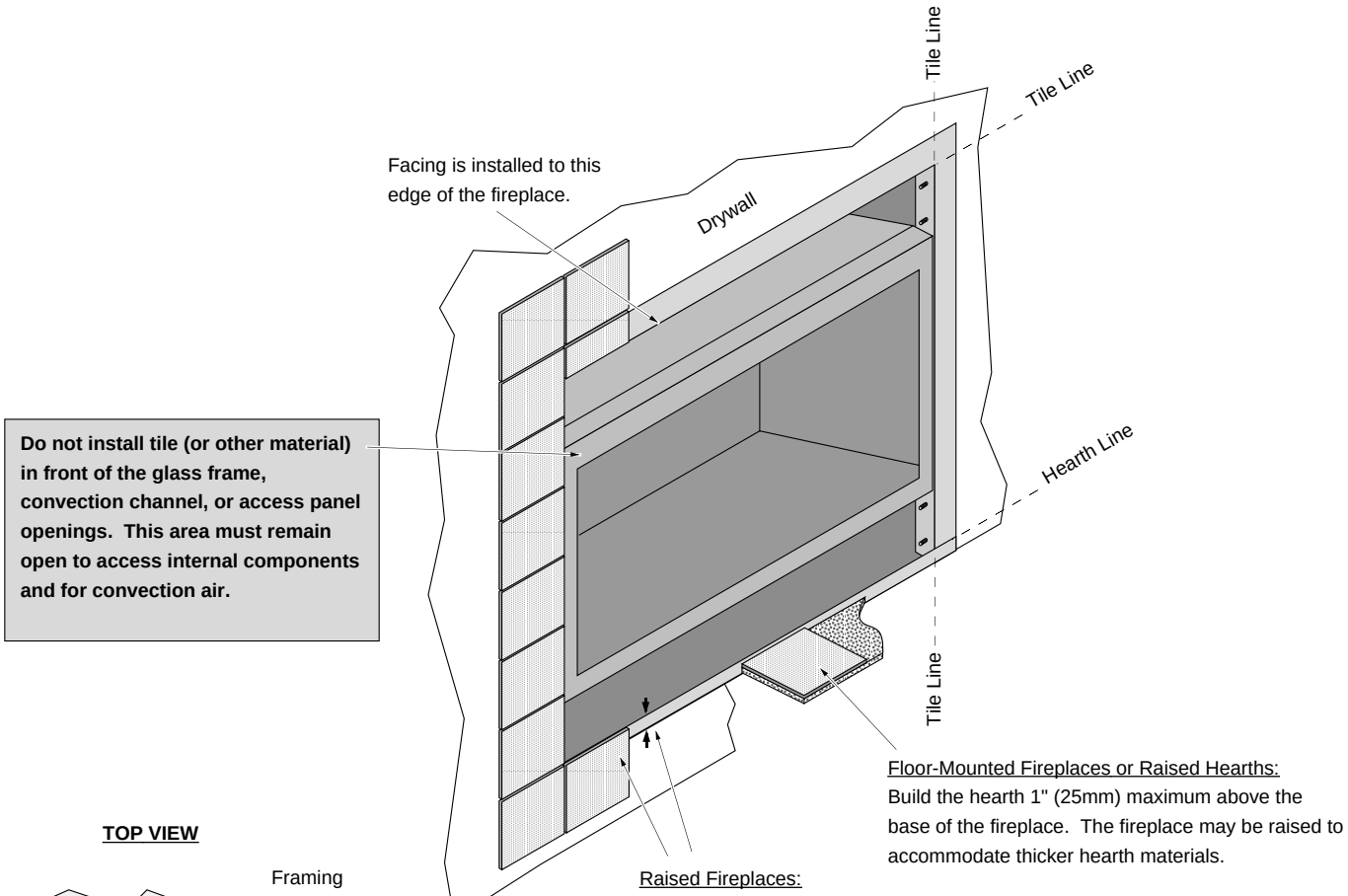

Masonry Line
Tile Line
Masonry Line
Tile Line
Masonry Line
Tile Line
Masonry Line
Tile Line
Masonry Line
Tile Line
Hearth Line
Hearth Line
Tile Line
Masonry Line
Masonry Line
Tile Line
NOTE: The hearth or facing can extend no greater than 1" (25mm) above the base of the fireplace. The fireplace may be raised to accommodate thicker hearth materials.
SPECIAL INSTRUCTIONS FOR WILMINGTON FACES
Remove the center deflector (use needle-nose pliers if necessary).
These tabs bend down to allow for removal.
Re-attach the deflector to the louver. Bend the tabs as shown, making sure the deflector is secure and flat.
WARNING: The deflector must be replaced in its original position if a different face or grill is used.

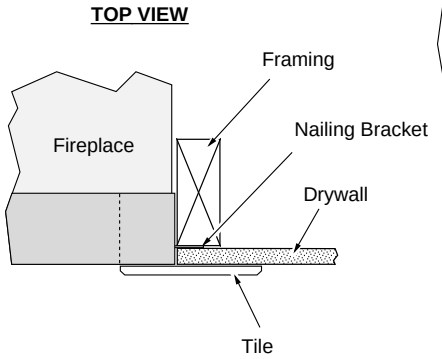
Optional Faceplates – Sizing Chart

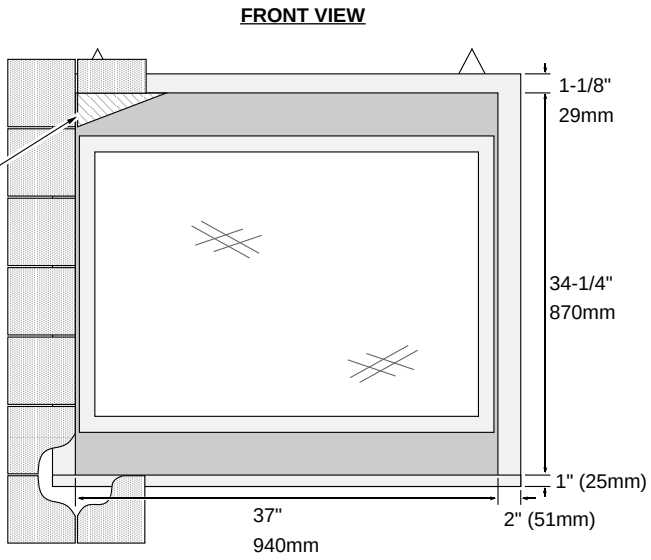
Name	Height	Width	Notes
FPX Artisan, Classic, Fr Ctry	35-3/4" (908mm)	41" (1041mm)	45-3/4" (1162mm) Radius – May fit over top of tile facing
Winthrop Victorian Lace	34-1/8" (867mm)	36-7/8" (937mm)	Optional facing will butte to edge of faceplate (tile line)
Wilmington Hearthview	35-3/4" (908mm)	41" (1041mm)	May fit over top of tile facing
Winthrop Bungalow	34" (864mm)	36-7/8" (937mm)	Optional facing will butte to edge of faceplate (tile line)

Thin Facing Installation (tile, marble, or other non-combustible under 1" (25mm) thick)

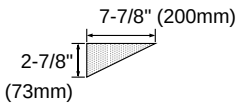
Upgrade faces are available for this fireplace and may influence facing installation. Consult with your Travis Dealer if you are using an upgrade face.


Tile Line
Tile Line
Facing is installed to this edge of the fireplace.
Drywall
Hearth Line
Tile Line
Do not install tile (or other material) in front of the glass frame, convection channel, or access panel openings. This area must remain open to access internal components and for convection air.
Floor-Mounted Fireplaces or Raised Hearths:
Build the hearth 1" (25mm) maximum above the base of the fireplace. The fireplace may be raised to accommodate thicker hearth materials.
Raised Fireplaces:
Facing is installed 1" (25mm) maximum above the base of the fireplace.



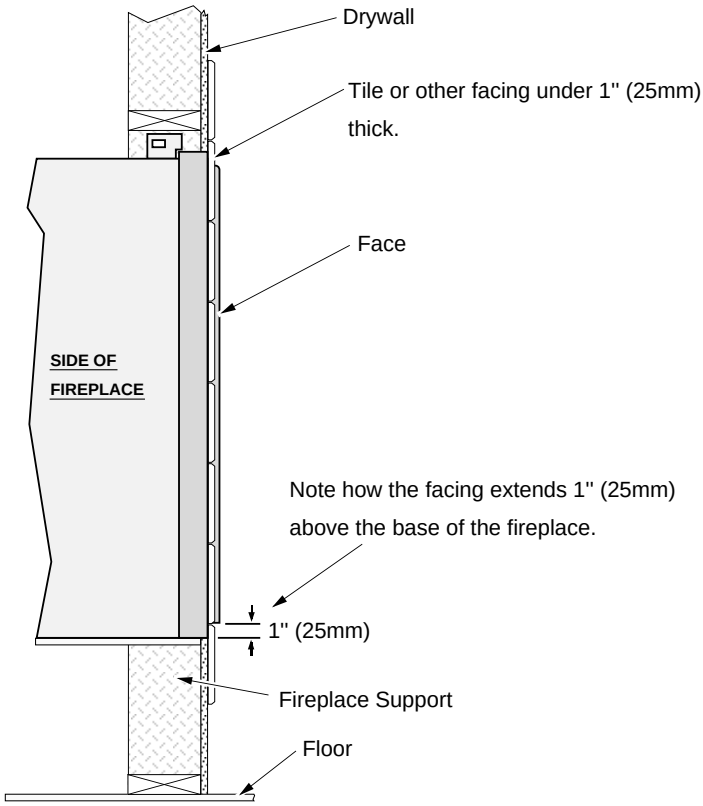


NOTE FOR FPX FACES:
FPX arched faces require the FPX Face Upgrade Kit (sku 98500686) and a triangular piece of facing in these upper corners. See the instructions included with the face for further details.

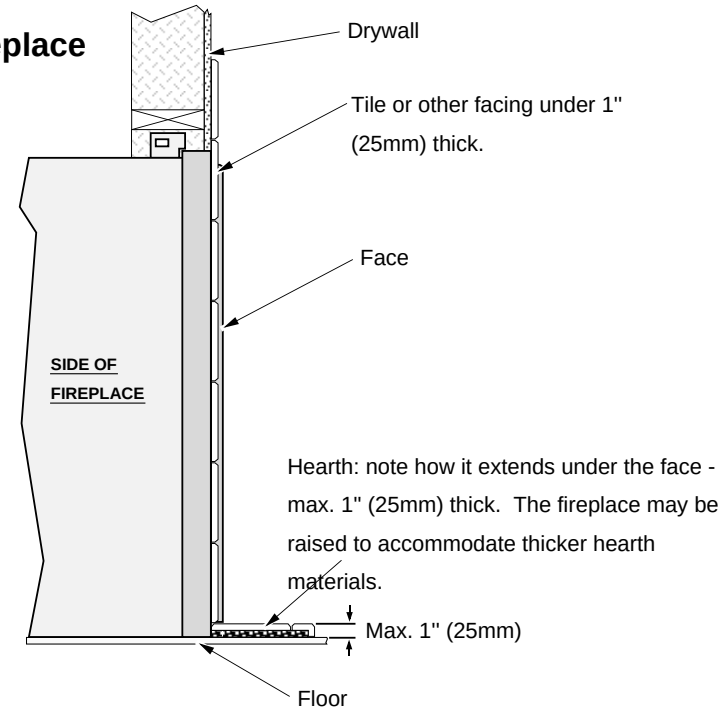


Thin Facing Installation (tile, marble, under 1" (25mm) thick) - Side View

Raised Fireplace (with no Hearth)

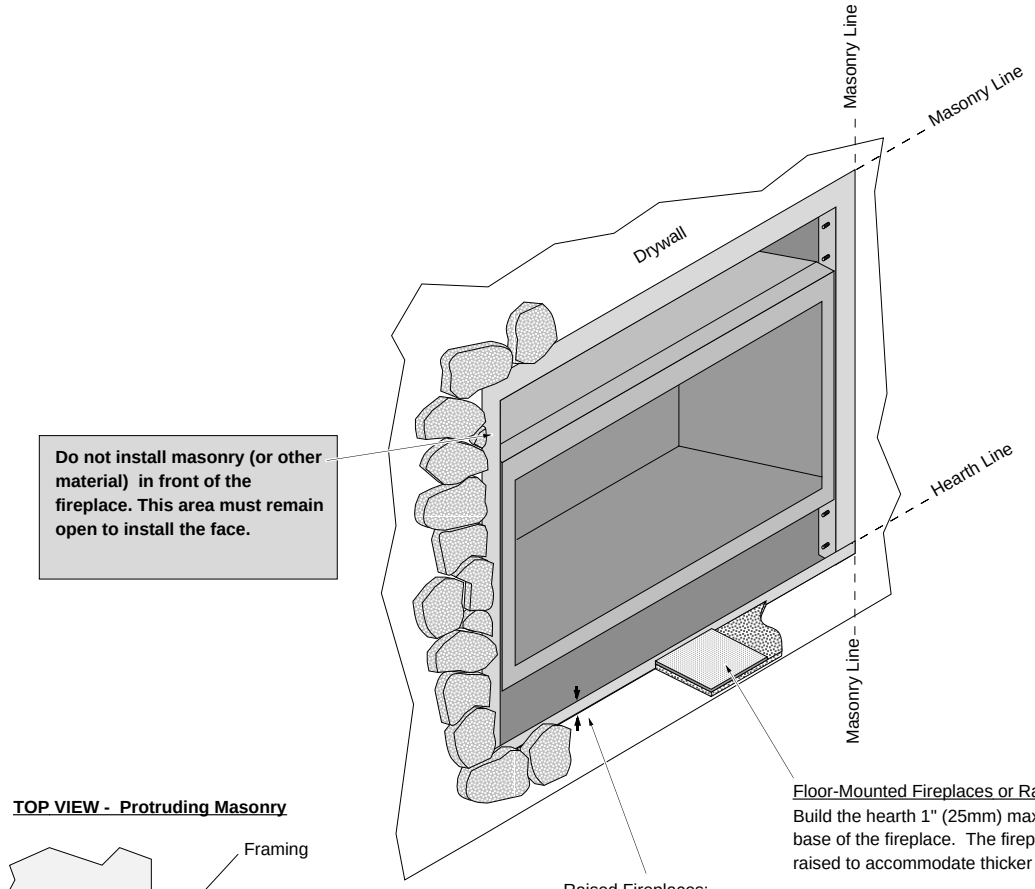


Floor-Mounted Fireplace (with Hearth)


Drywall
Tile or other facing under 1" (25mm) thick.
Face
SIDE OF FIREPLACE
Hearth: note how it extends under the face - max. 1" (25mm) thick. The fireplace may be raised to accommodate thicker hearth materials.
Max. 1" (25mm)
Floor

Thick Facing Installation (stone, brick, or other non-combustible over 1" (25mm) thick)

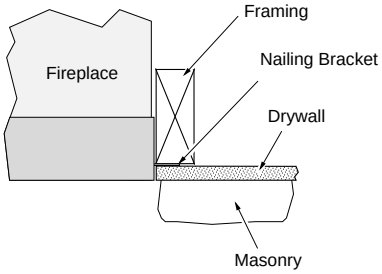
If using a Fireplace Xtrordinair (FPX) arched face, see "Thick Facing with a Fireplace Xtrordinair Arched Faces" on page 34.


Masonry Line
Masonry Line
Drywall
Hearth Line
Masonry Line
Do not install masonry (or other material) in front of the fireplace. This area must remain open to install the face.

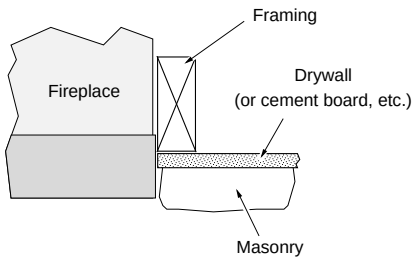
Floor-Mounted Fireplaces or Raised Hearths:
Build the hearth 1" (25mm) maximum above the base of the fireplace. The fireplace may be raised to accommodate thicker hearth materials.

Raised Fireplaces:
Masonry is installed 1" (25mm) maximum above the base of the fireplace.

TOP VIEW - Protruding Masonry

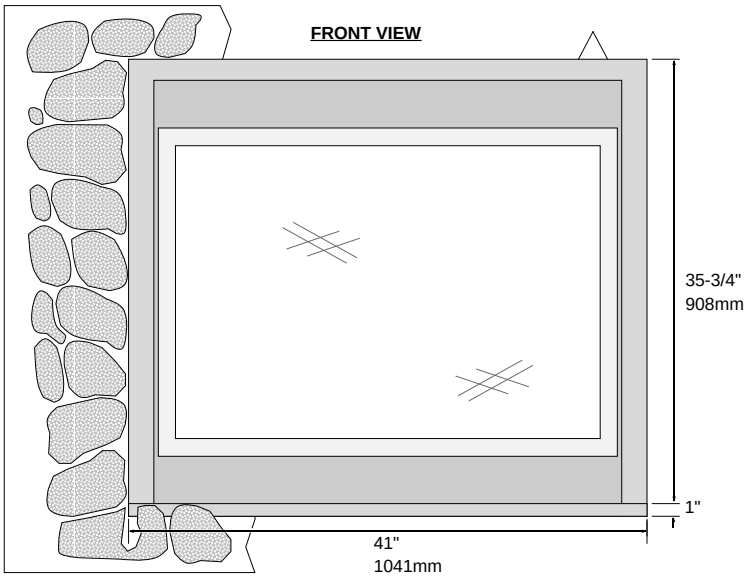


TOP VIEW - Recessed Masonry



NOTE: The nailing brackets are not used for this type of installation - secure the fireplace to the floor with the brackets along the base of the fireplace.

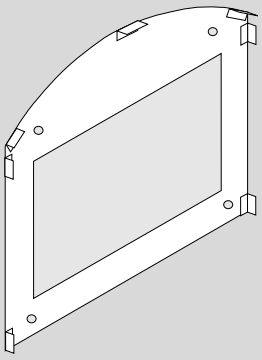
FRONT VIEW



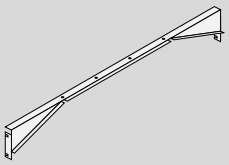
Thick Facing with Fireplace Xtrordinair (FPX) Arched Faces

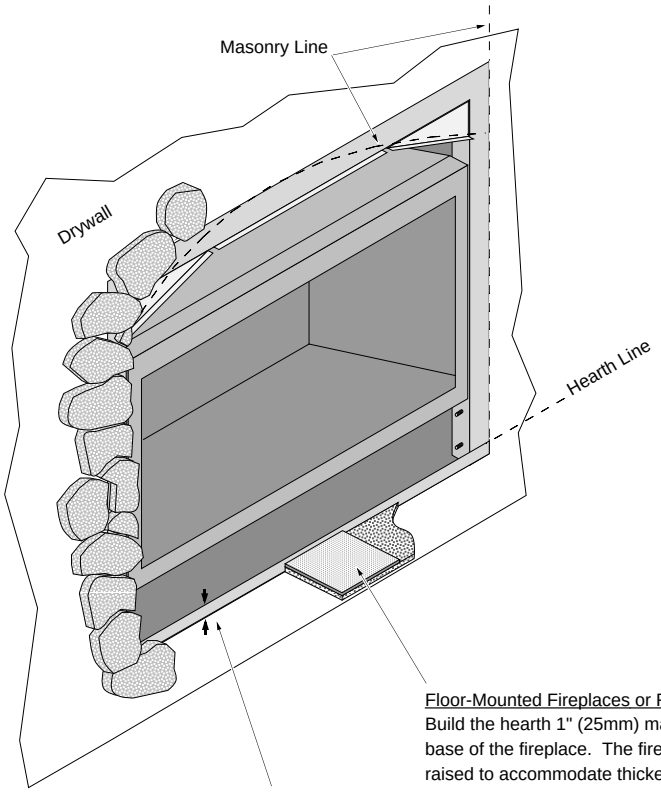
The following illustration shows facing considerations for those fireplaces utilizing FPX arched faces. The facing must be non-combustible and over 1" (25mm) in depth.

The Fireplace Xtrordinair 864 Masonry Template is recommended for masonry installation (sku 98500688). The template helps locate and support the masonry as it being installed.



Before installing masonry, install the FPX Face Upgrade Kit (98500686). This covers the upper corners.

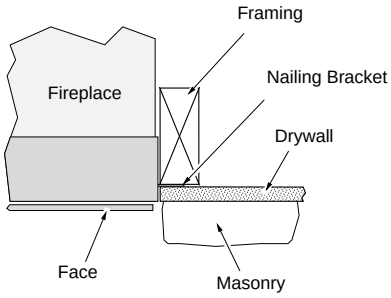




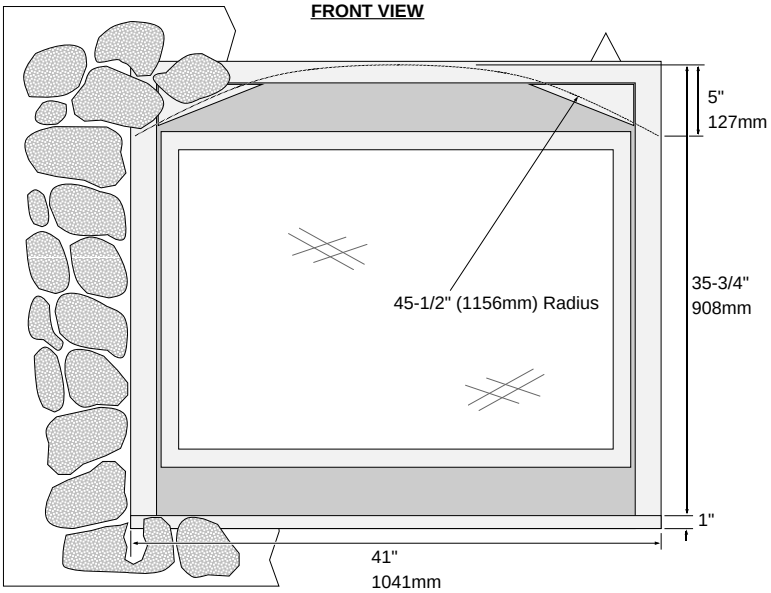
Floor-Mounted Fireplaces or Raised Hearths:
Build the hearth 1" (25mm) maximum above the base of the fireplace. The fireplace may be raised to accommodate thicker hearth materials.

Raised Fireplaces:
Masonry is installed 1" (25mm) maximum above the base of the fireplace.

TOP VIEW

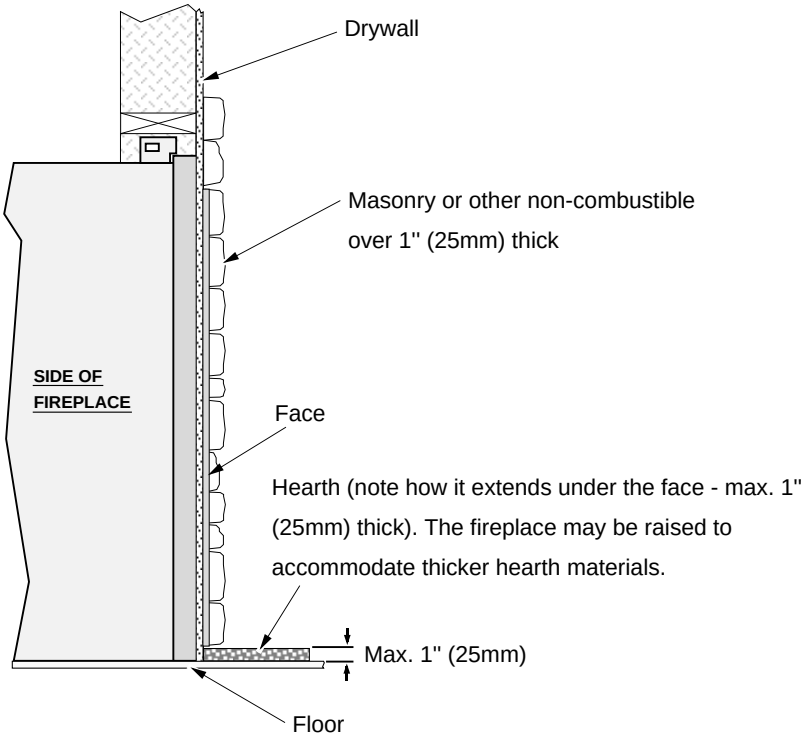


FRONT VIEW

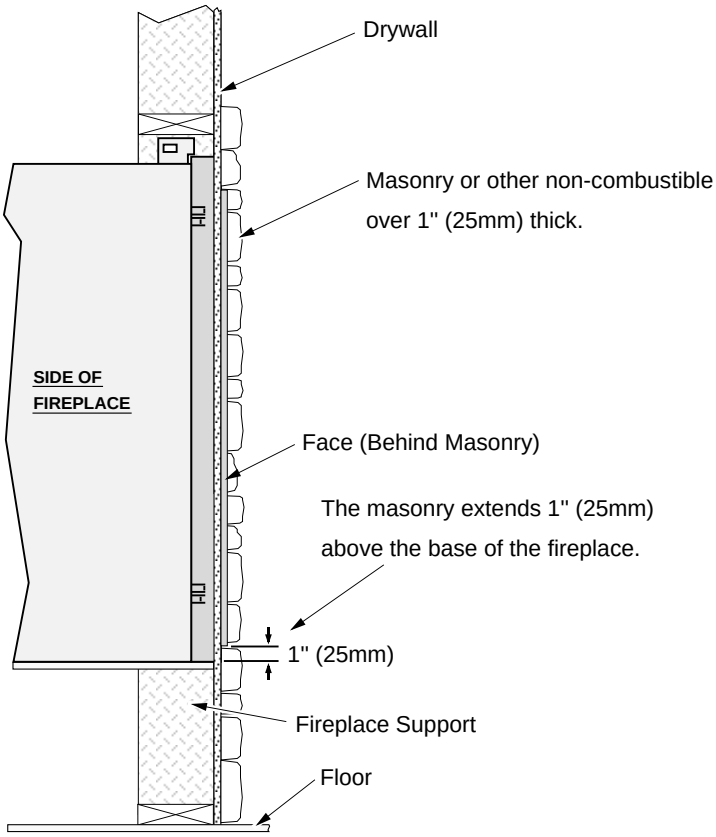


Thick Facing Installation - Side View

Floor-Mounted Fireplace (with Hearth)


Drywall
Masonry or other non-combustible over 1" (25mm) thick
SIDE OF FIREPLACE
Face
Hearth (note how it extends under the face - max. 1" (25mm) thick). The fireplace may be raised to accommodate thicker hearth materials.
Max. 1" (25mm)
Floor

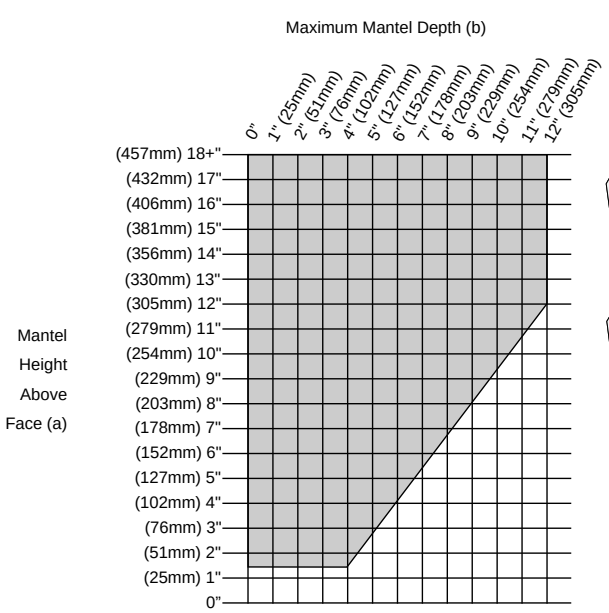
Raised Fireplace (with no Hearth)

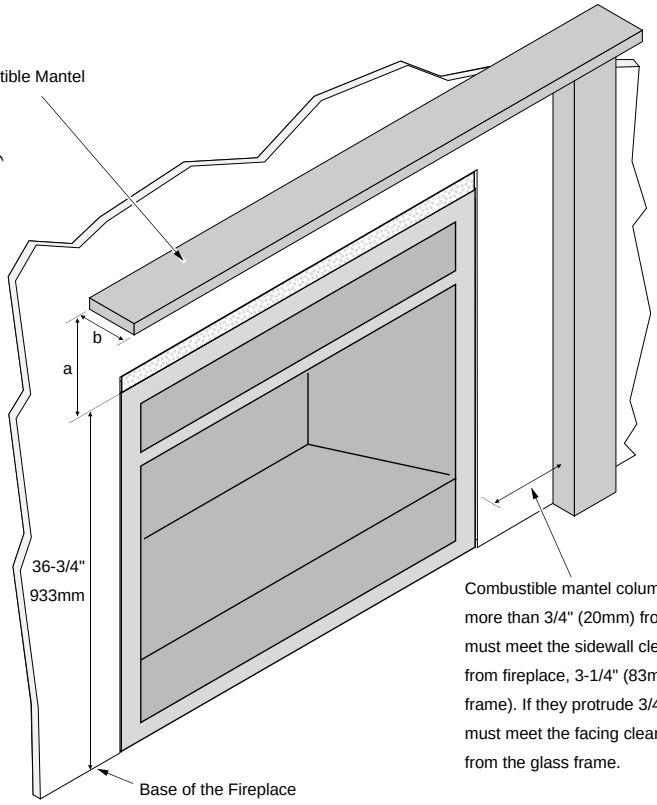


Mantel Requirements

Combustible Mantels

- Use the table below to determine the maximum mantel depth allowed. The mantel depth (measured from the face of the fireplace) must fall in the shaded portion of the table.
- Any material that protrudes more than 3/4" (19mm) from the non-combustible facing is considered a mantel and must meet the mantel requirements.





Combustible mantel columns (legs) that protrude more than 3/4" (20mm) from the glass frame must meet the sidewall clearance (1" (25mm) from fireplace, 3-1/4" (83mm) from the glass frame). If they protrude 3/4" (20mm) or less, they must meet the facing clearance 2-1/4" (57mm) from the glass frame.

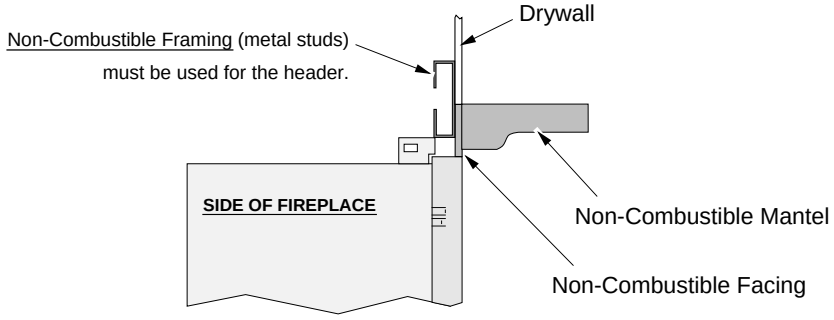
Non-combustible mantel columns do not have a minimum clearance.

Examples:
- If you wish to have an 8" (203mm) deep mantel, it must be at least 6-3/4" (171mm) above the fireplace face (44-3/4", 1137mm above the base).
- If you wish to have a mantel 8" (203mm) above the fireplace face, it must be no deeper than 9" (229mm).

Non-Combustible Mantels

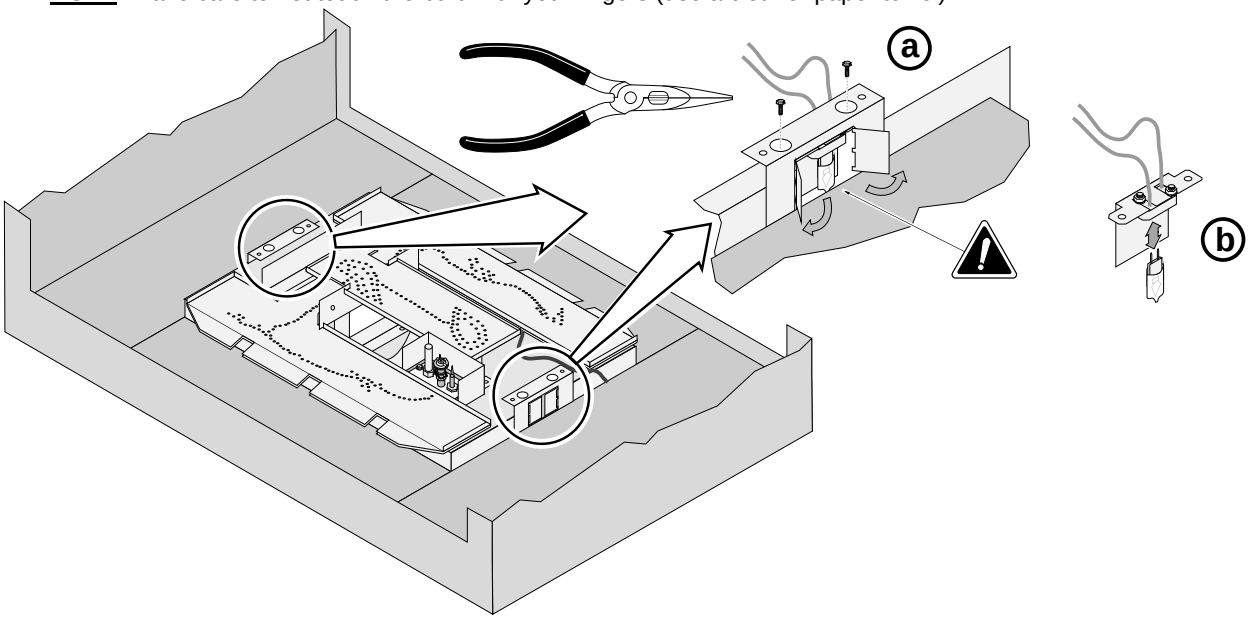
Non-combustible mantels must meet the clearances listed for combustible mantels. However, if you do wish to reduce the clearances by using a non-combustible mantel, the following requirements must be met:

- Non-combustible mantel and facing must extend from the top of the appliance to the top surface of the mantel.
- A non-combustible header must be used (metal stud).

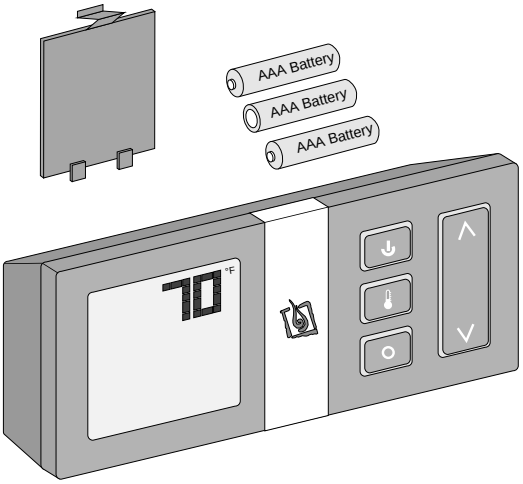


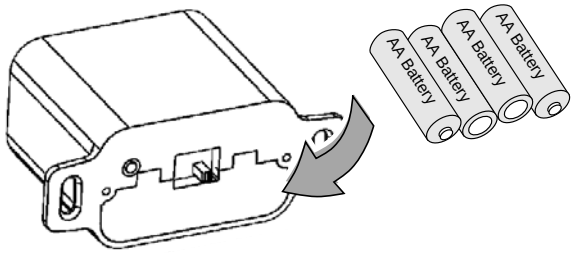
Steps for Finalizing the Installation

1. Remove the glass (see page 39).
   NOTE: If using propane (LP) convert the appliance prior to installing the logs.
2. We recommend you purge the gas line at this time (with the glass removed). This allows gas to be detected once it enters the firebox, ensuring gas does not build up.
   NOTE: If using firebacks, install them prior to adjusting the accent light deflectors.
3. Carefully bend the accent light deflectors outwards to 45° (see "a" below). Take care to prevent damage to the bulbs. Make sure the two accent light bulbs are in place. The assembly may be removed for bulb replacement (see "b" below).
   NOTE: .Take care to not touch the bulb with your fingers (use a cloth or paper towel).



4. Install the four AA batteries (see illustration below). The AA batteries act as a power backup in case the household (AC) power goes out and are required for operation. Install three AAA batteries into the remote (see illustration below). Synchronize the transmitter to the IFC (see the Owners Manual).

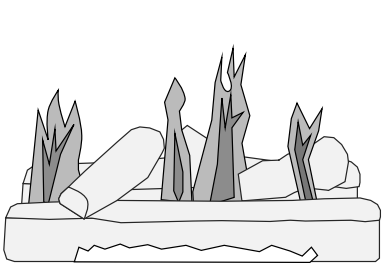




5. Install the logs (see page 42).
6. Replace the glass.
7. Start the heater.
8. Leak test all gas joints.
9. Check the air shutter following the directions below.

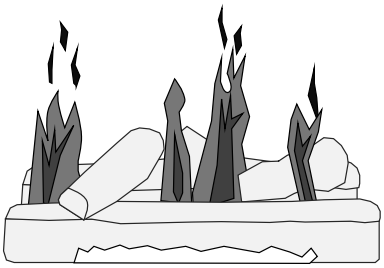
Air Shutter Adjustment

Let the heater burn for fifteen minutes (make sure the logs and glass are in place). The flames should be yellow with no sooting. Adjust the air shutter, if necessary, to achieve the correct looking flame.



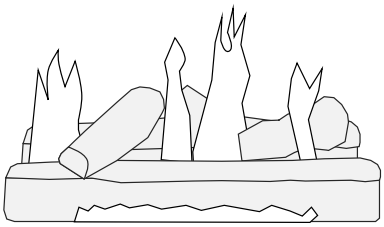
Correct

Flames should be blue at the base, yellow-orange on the top.



Not Enough Air

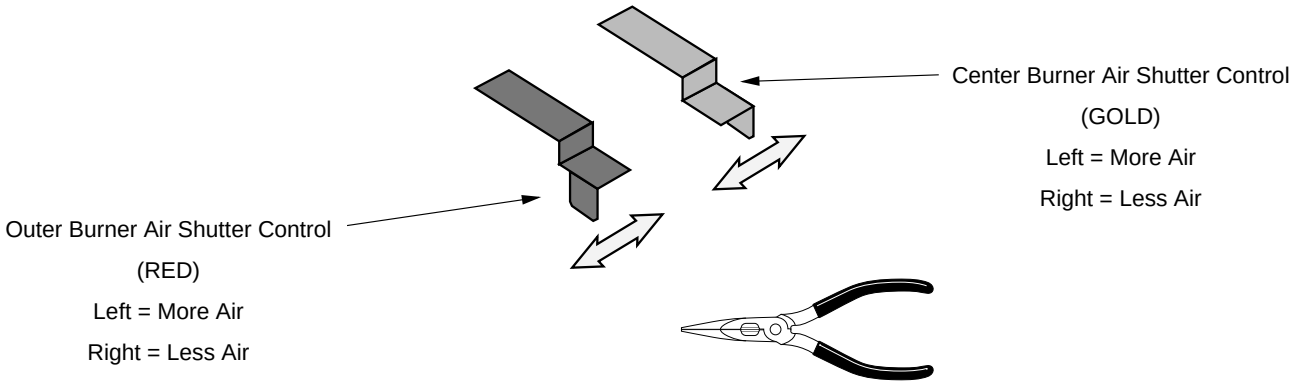
If the flames are too tall or sooty on the ends, open the air shutter.



Too Much Air

If the flames are all blue and short, close the air shutter.

Air Shutter Adjustment



NOTE: you may wish to use pliers to adjust the front air shutter. Typically, the front air shutter is fully closed on NG, fully open on LP.

10. Turn the flame adjust knob to its highest position - the flames should not contact the top of the firebox. Check the flame on low position. The flames should burn off of each burner hole. If the heater does not work correctly, contact your Travis dealer for a remedy.
11. Give this manual to the home owner for future reference and fully explain operation of this heater. For comprehensive operating and maintenance instructions, refer to the Owner's Manual (part # 100-01219).

ACID WASH WARNING: Before installing the faceplate, make sure any masonry that has been treated with acid wash has been properly neutralized (this is used primarily with brick faces). Acid wash (muriatic acid) is used to remove excess mortar. If not properly neutralized with an ammonia solution, the plated face may develop a permanent tarnish when the acid evaporates over time. Contact your dealer if uncertain your facing has been properly neutralized.

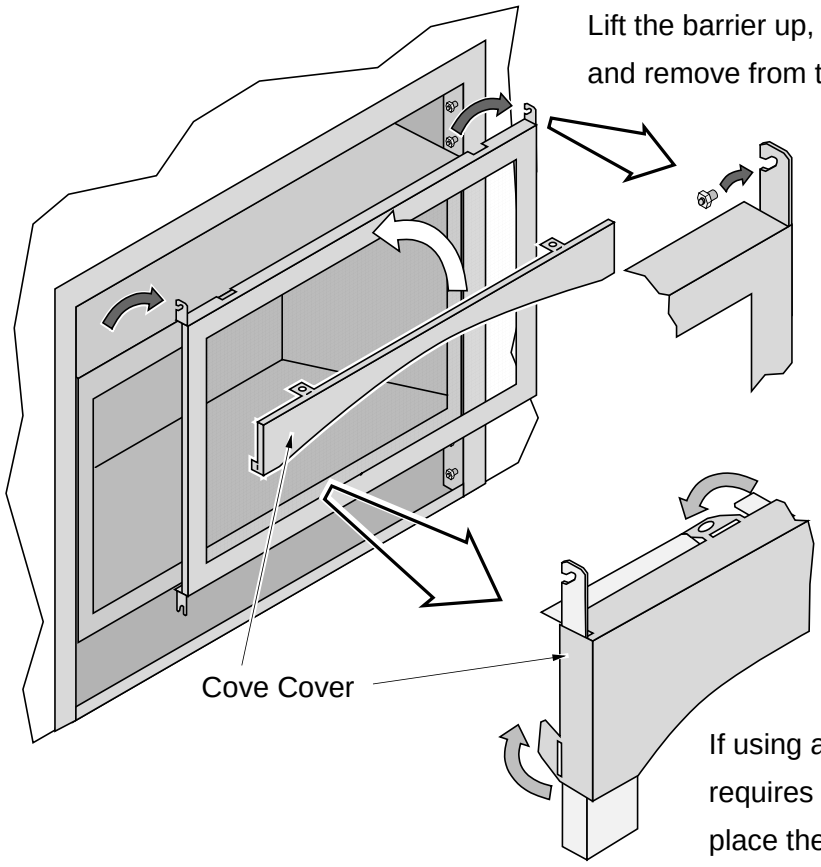
Barrier Removal

A barrier designed to reduce the risk of burns from the hot viewing glass is provided with this appliance and shall be installed for the protection of children and other at-risk individuals.

If the barrier becomes damaged, the barrier shall be replaced with the manufacturer's barrier for this appliance.

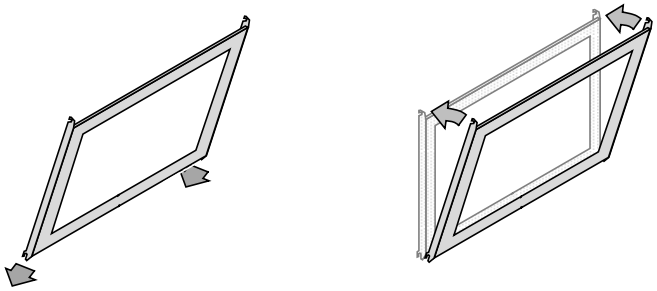
If using a face or grill that requires use of a cove cover, use the cove cover included with the fireplace (see below). Do not use the cover included with face or grill (if applicable).

Lift the barrier up, pivot the top forward, and remove from the fireplace.



If using a face or grill that requires use of a cove cover, place the cove cover in place and bend the tabs down to secure.

HINT FOR REPLACING THE BARRIER: Hold the barrier at an angle and insert the bottom slots first. Then pivot the barrier forward to engage the top hooks.



40 Finalizing the Installation (for qualified installers only)

Glass Frame Removal and Installation

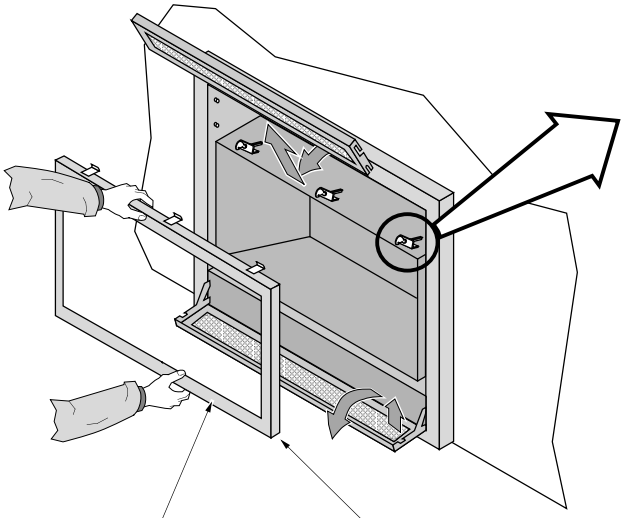
Warning: The appliance must be completely cool before removing the glass.

Warning: Do not strike or slam the glass.

Note: Remove the barrier before removing the glass (see previous page). Replace barrier after replacing the glass.

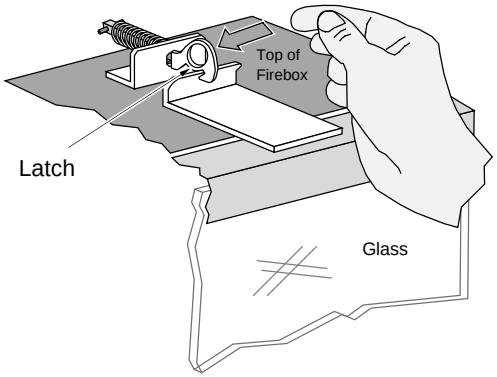
a Based upon the face being used, either:
(a) swing the access door down and remove the top grill,
(b) remove the face (unscrew or lift off - see the instructions included with the face for details).

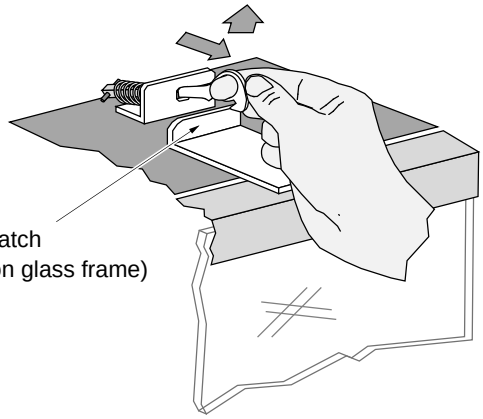
Open the six latches holding the glass frame in place (start with the bottom three) - follow the directions shown to the right.



b Lift the glass frame up and pull it forward to remove.

NOTE:
You may need to lift the glass frame while re-attaching.





Re-Attaching the Glass Frame:

a) Hang the glass frame on the firebox.

b) While holding in place, attach the upper latches (follow the instructions above in reverse).

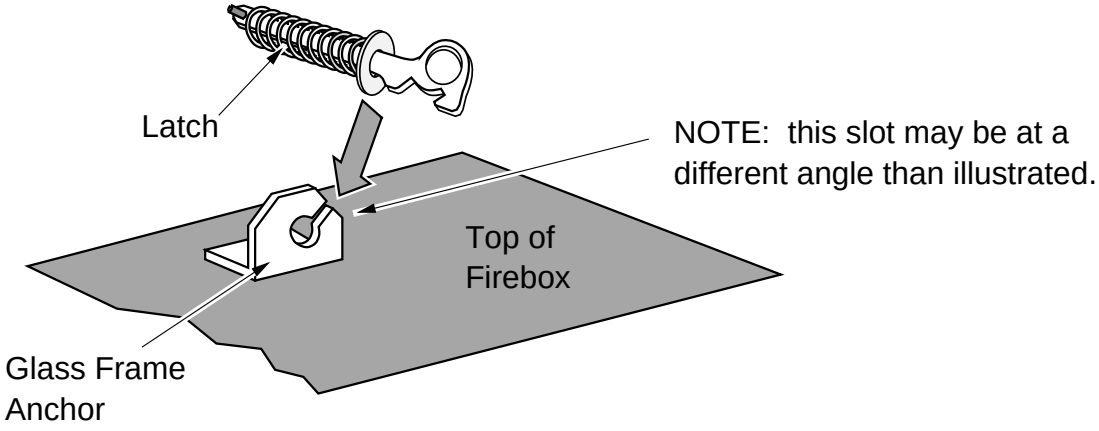
c) Lift the glass frame slightly and attach the lower latches.

NOTE: Make sure the glass frame is all the way in place - it should be flush with the front of the fireplace when installed.

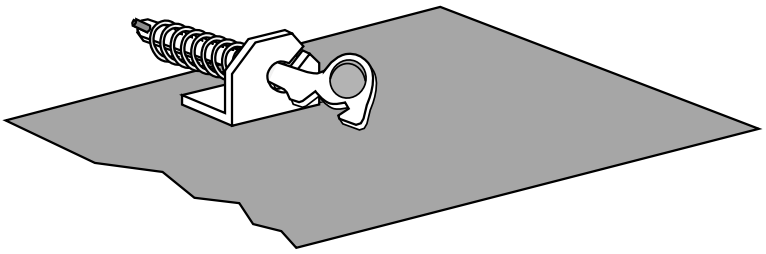
Glass Frame Removal and Installation (continued)

The latch can come loose from glass frame anchor. This occurs when it is turned 1/4 turn when it is disengaged. Follow the directions below to re-install the latch if it becomes loose.

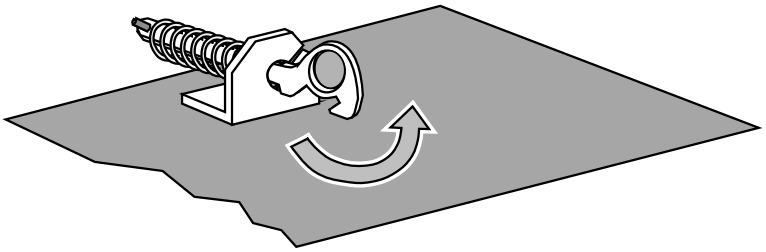
Hold the latch at an angle and insert it into the slot on the glass frame anchor.



Note how the washer on the latch fits behind the flange on the glass frame anchor.



Once fully inserted, turn the latch until it is upright.



42 Finalizing the Installation (for qualified installers only)

Log Set Installation

Logs in Place – FRONT SIDE (gas control valve side)

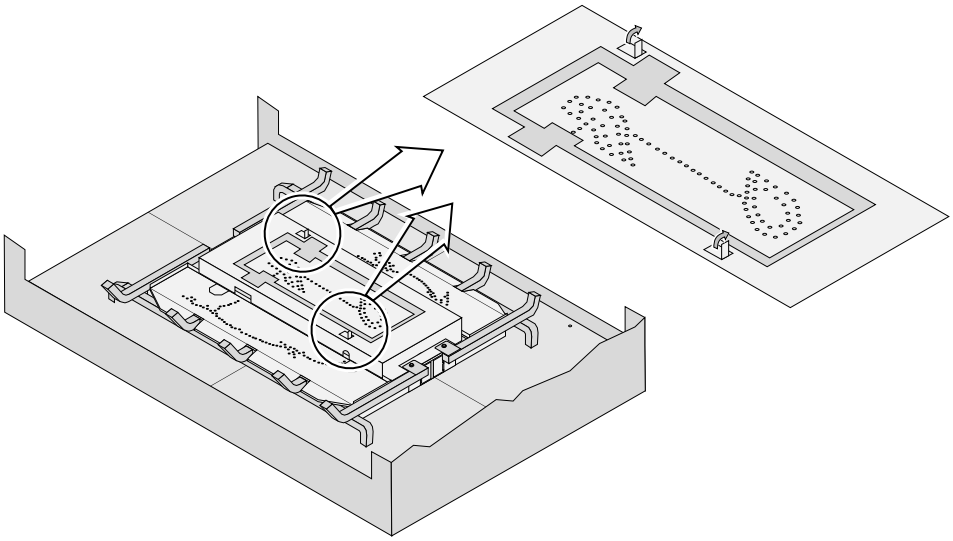
NOTE: This fireplace has a front side and back side. The front side (pictured below) is the side with the gas control valve.

Logs in Place – BACK SIDE

Center Log Installation

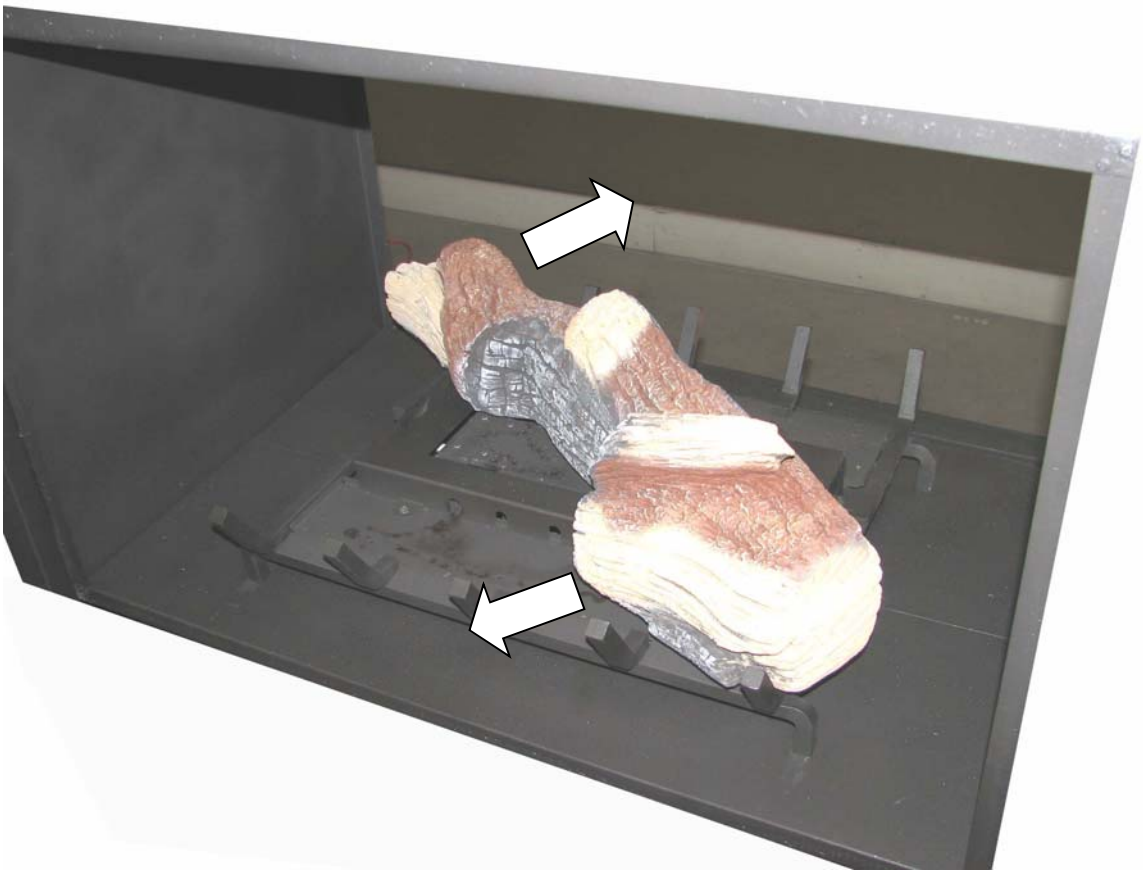
The log shelf has two tabs used to align the center log. Bend these tabs as shown to the right.

Bend these two tabs up 90°. They are used as pins to locate the center log.



Place the center log in place. Make sure the two tabs on the log shelf insert into the two holes on the bottom of the log.

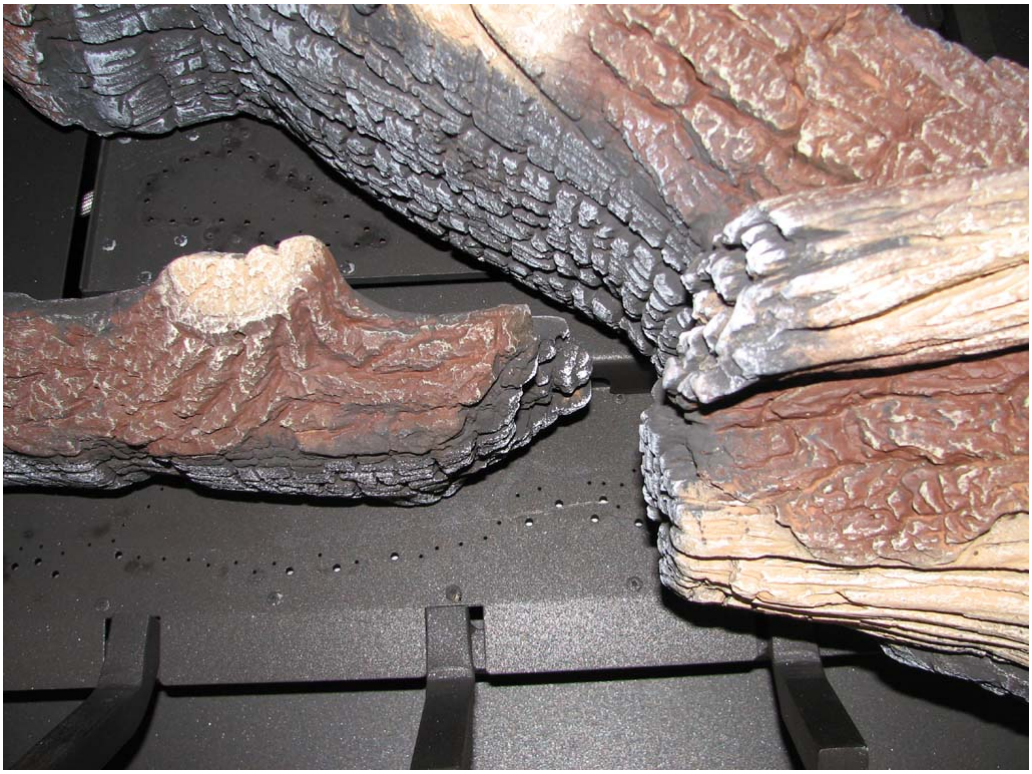
Once in place, rotate the log clockwise until the indents in the log contact the grate.



Front Left Log

Place the front left log as shown below. There is a ledge on the bottom of the log that aligns with the edge of the center burner.

When in place, the front left log has a small gap to the center log.

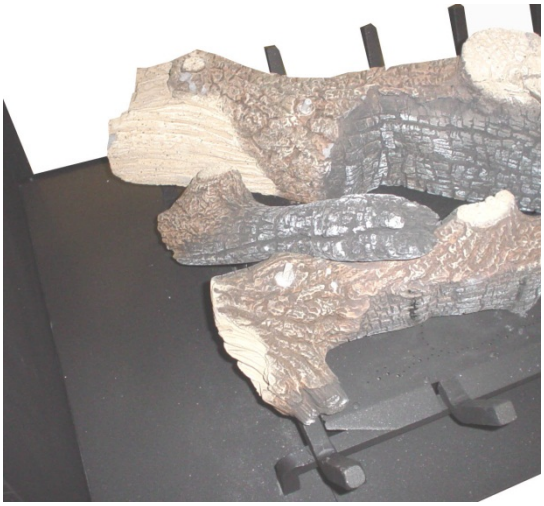


Front Left Upper Log

There are two pins on the front left log. The pin to the right is used to locate the front left upper log.

The front left upper log has a groove and one hole on the bottom. The groove fits over the edge of the burner.

When in place, the front left upper log looks like the picture to the right.



Front Upper Center Log

The front upper center log has two holes on its bottom surface. One of the holes fits over the pin on the center log (see picture to the right). The other fits over the pin on the front left log.

When in place, the front upper center log looks like the picture to the right.

Back Left Log

The back left log fits to the left of the center log.

The groove on the bottom of the log fits over the upper burner tray.

Make sure to slide the log towards the center of the firebox. When in place, the log will appear as shown in the picture to the right.

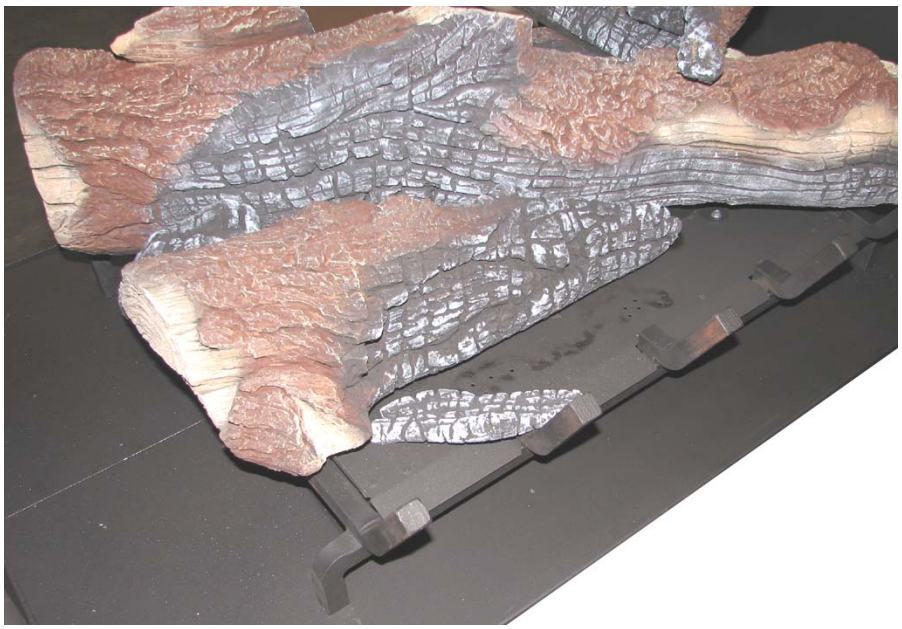
Right Ember Chunk

The right ember chunk is installed from the back. The groove on the bottom of the ember fits over the edge of the upper burner tray. It wedges between the two logs.

When in place, the left ember chunk looks like the picture to the right.

Back Ember Chunk

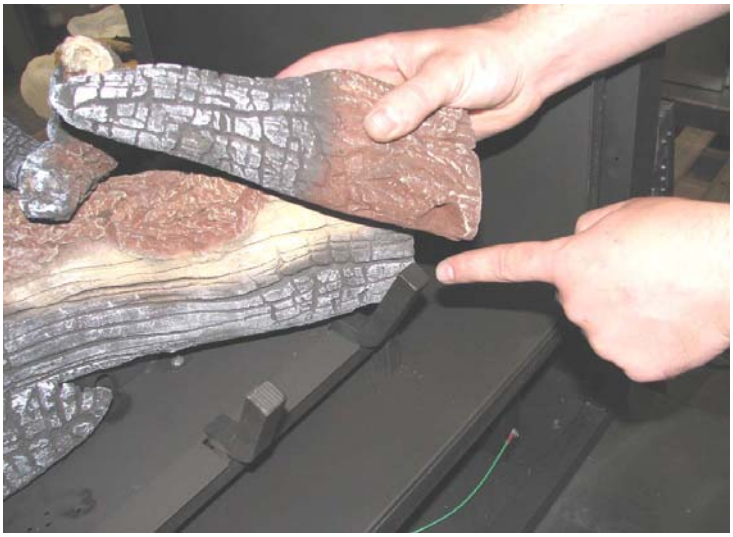
The back ember in placed on the back right side as shown in the picture to the right. Make sure it is not over any burner holes.



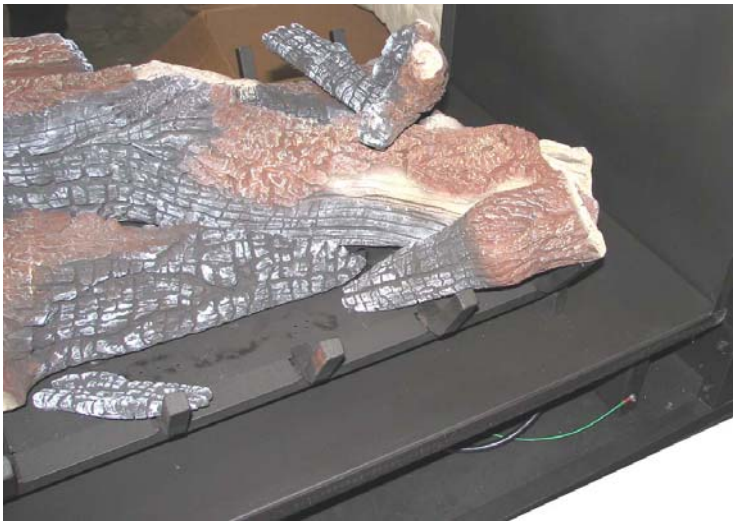
Back Left Log

The pin on the center log inserts into the hole on the back of the back left log.

This groove on the log fits over the grate.



When in place, the log looks like the picture to the right.



Back Upper Right Log

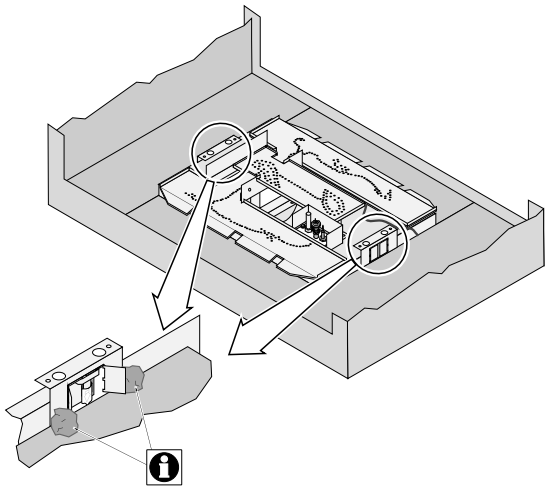
Pins on the center log and back right log help locate this log.

When in place, the back upper right log looks like the picture to the right.

Ember Placement

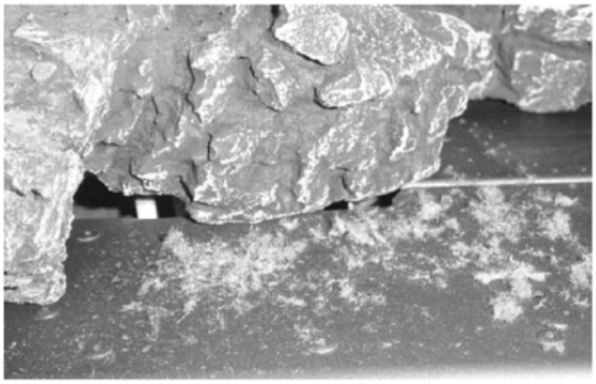
A bag of embers is provided to further enhance the firebox. Place the embers on the firebox floor and on the outer burner (especially over exposed rivets on the burner). Do not place embers over any of the burner holes or air channels. See the picture below.

NOTE: When placing the embers, place one ember on both sides of the accent light deflectors (see illustration below). This helps block light from exiting the slot on the deflector and creating a line of light.



Rock Wool Placement

The included rock wool is placed on top of the burner to enhance the glow from the burner. **The rock wool works best when it is applied in a very thin, porous layer.** The best method for applying the rock wool is to brush it on to the burner. Compress a clump of rockwool between your thumb and forefinger. Use a stiff brush to apply a thin layer of rockwool fibers onto the burner. Do not use the entire bag of rockwool. Use only a small amount and save the remainder. Over-use of rockwool will diminish the glow and may cause sooting or other adverse conditions.



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LP Conversion Instructions

WARNING

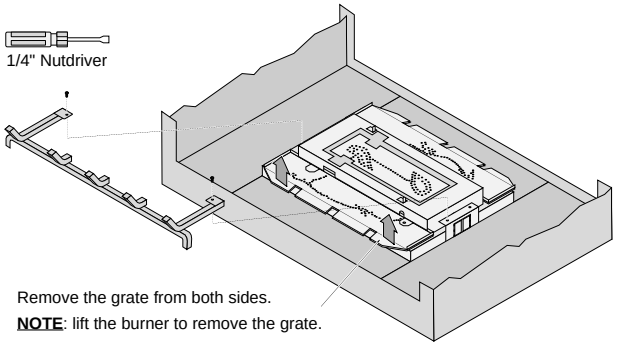
This conversion kit shall be installed by a qualified service agency in accordance with the manufacturer's instructions and all applicable codes and requirements of the authority having jurisdiction. If the information in these instructions is not followed exactly, a fire, explosion or production of carbon monoxide may result causing property damage, personal injury or loss of life. The qualified service agency is responsible for the proper installation of this kit. The installation is not proper and complete until the operation of the converted appliance is checked as specified in the manufacturer's instructions supplied with the kit.

The GSR Stepper Motor Kit (SKU 94400999) is required for converting this appliance to LP. The burner orifices and burner gaskets are shipped with the appliance.

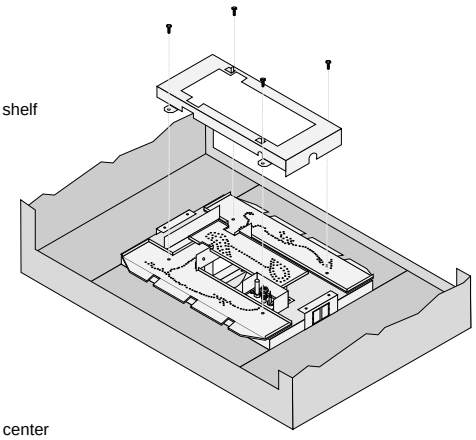
Install the conversion kit prior to installing the gas line to ensure proper gas use.

1 Remove the glass (see page 37). Remove the logs and embers (if installed - page 42).

2 Remove the grate, firebacks, and center burner (see illustration below).

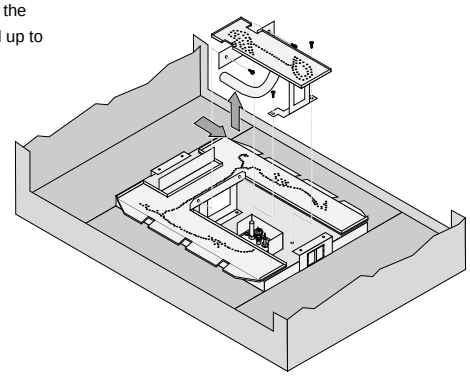


Remove the grate from both sides.
NOTE: lift the burner to remove the grate.



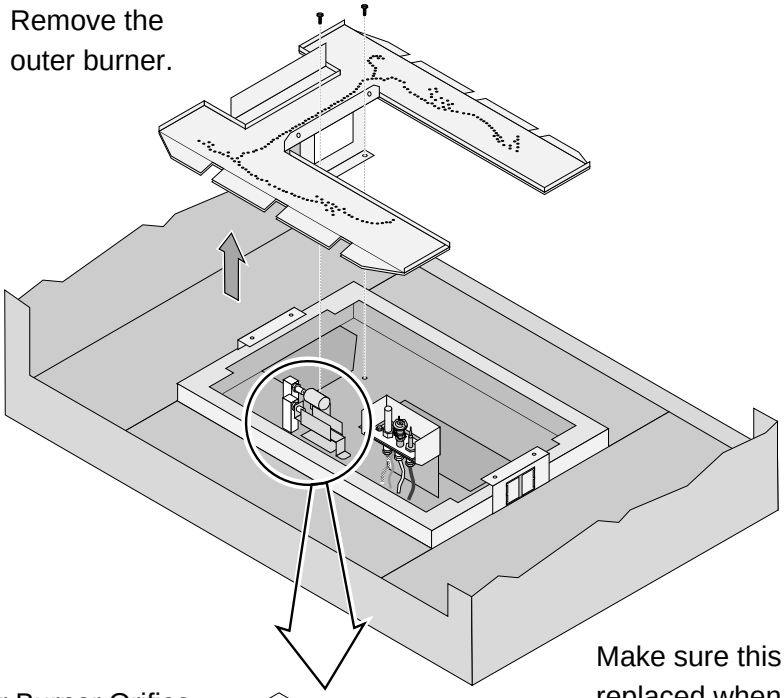
Remove the log shelf

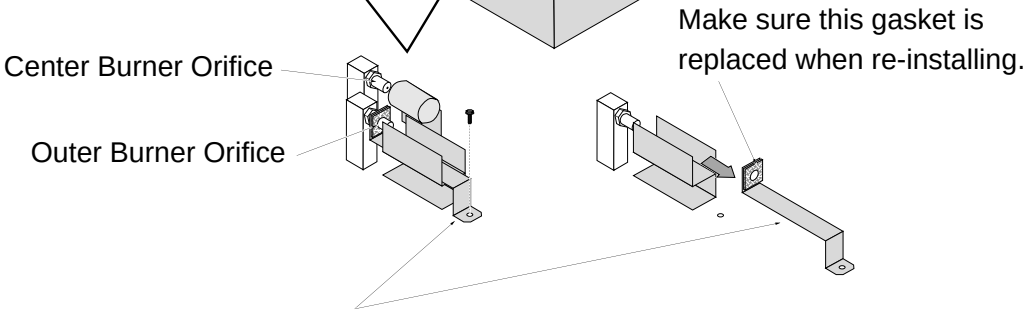
Four screws hold the center burner in place. Slide the burner to the right and up to remove.



3 Follow the directions below to remove the outer burner and replace the orifices.

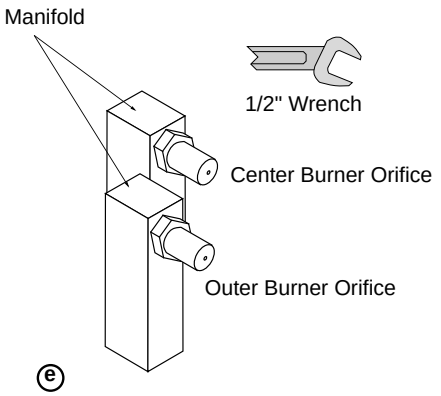
ⓐ Remove the outer burner.





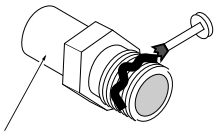
ⓑ Remove this mixing tube cover.

ⓒ Use a 1/2” open end wrench to unscrew the two orifices.



ⓓ

Apply thread sealant to the LP orifices prior to installation. Use the chart below to identify the correct orifices.

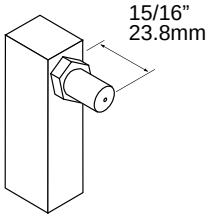


Look here for the orifice identification

	NG	LP
Center	#48	#55
Outer	#44	#55

ⓔ

Screw each LP orifice in so the orifice protrudes 15/16” (23.8mm) indicating full insertion.



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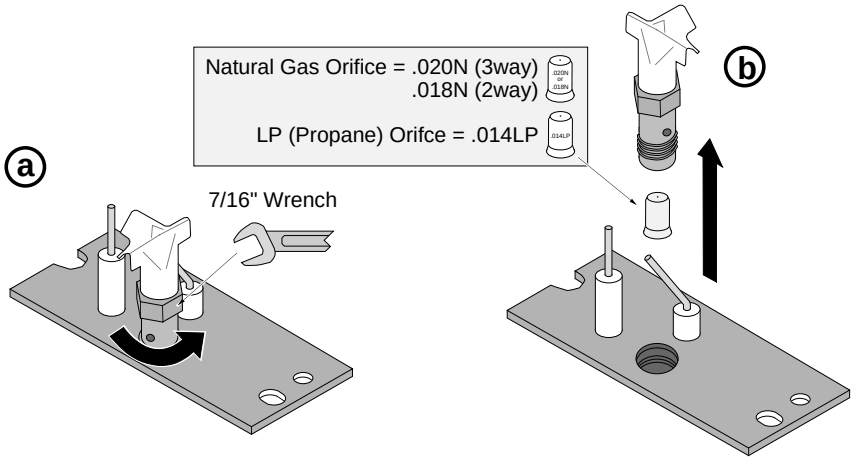
4 Install the LP pilot orifice following the instructions below.

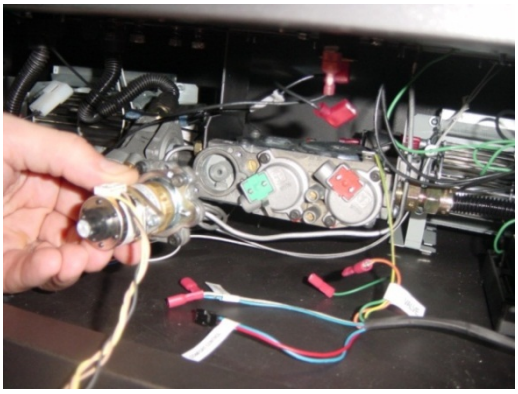
(a) Use a 7/16" open-end wrench to remove the pilot hood.

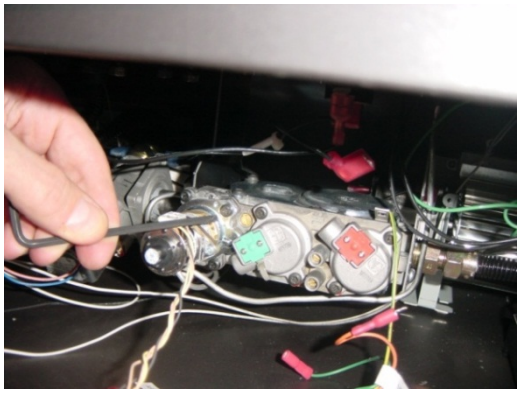
(b) Remove and discard the Natural Gas (NG) orifice. Place the LP orifice in the pilot assembly then replace the pilot hood, tightening the pilot hood until it is snug (do not over-tighten).



5 **Replace the firebox components.** Install the logs and embers. Replace the glass.

6 Use the included torx wrench to remove the stepper motor (it may be discarded). The stepper motor (adjustable regulator) has an installation sheet included with it – make sure to follow all of the directions. Place the stepper motor on the gas control valve (see below) – **MAKE SURE IT IS CORRECTLY ORIENTED**. Secure using the screws included with the motor (see below) – tighten to 25 Lb-inches. Leak test this area after installation to verify proper installation.





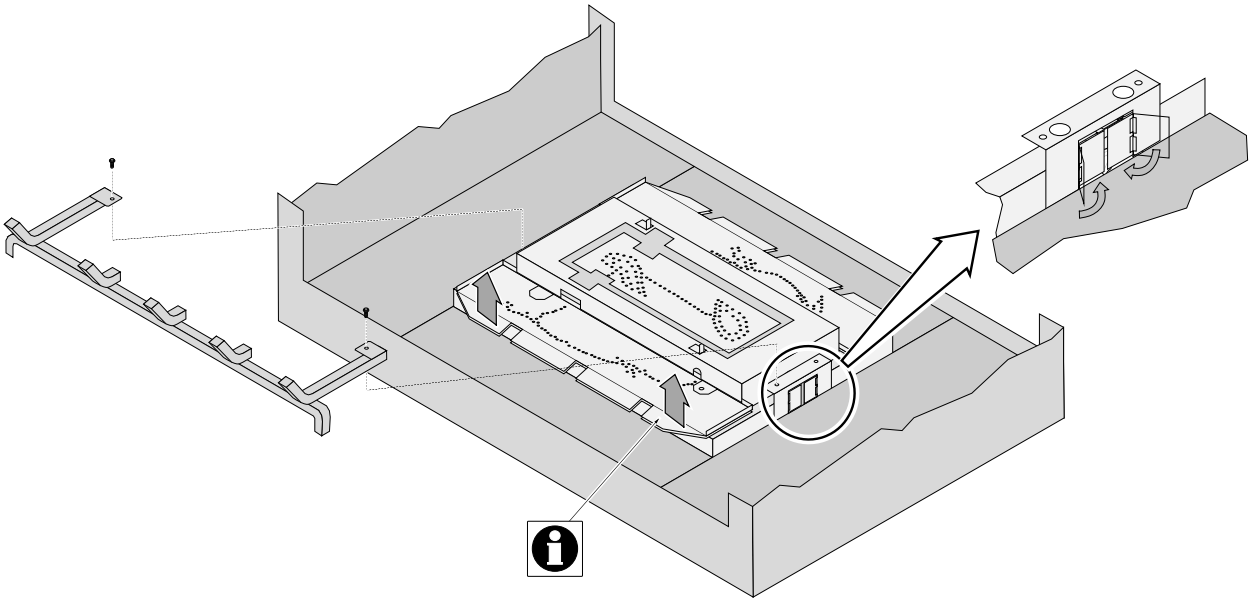
7 Make the gas line connection, bleed the gas line (if applicable), start the heater and thoroughly leak-test all gas connections and the gas control valve.

Fireback Installation

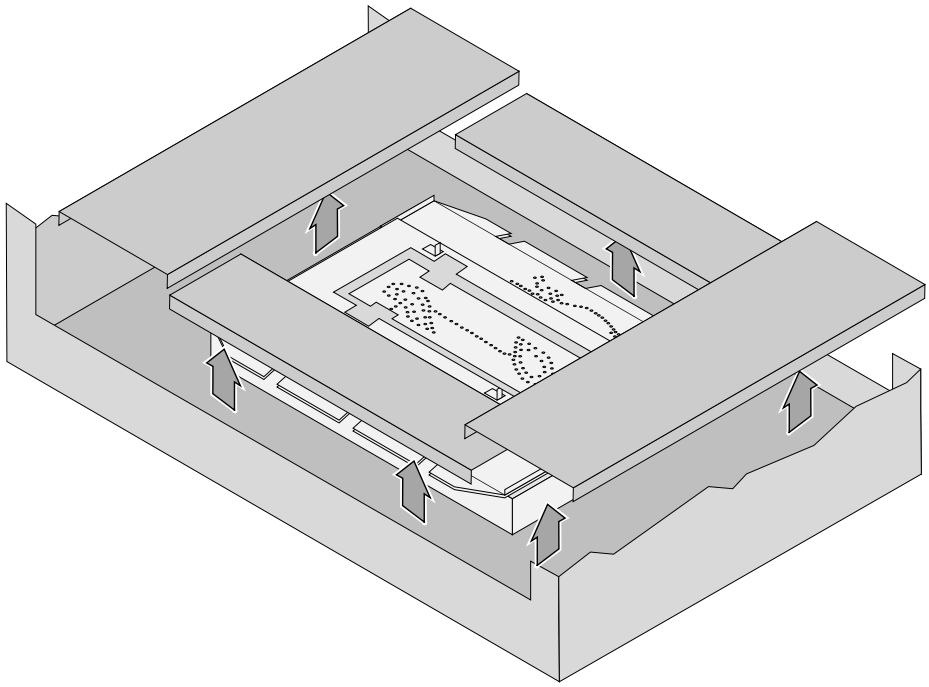
WARNING: Turn off gas to the appliance and make sure it has fully cooled prior to conducting service.

1 Remove the glass frame and logs.

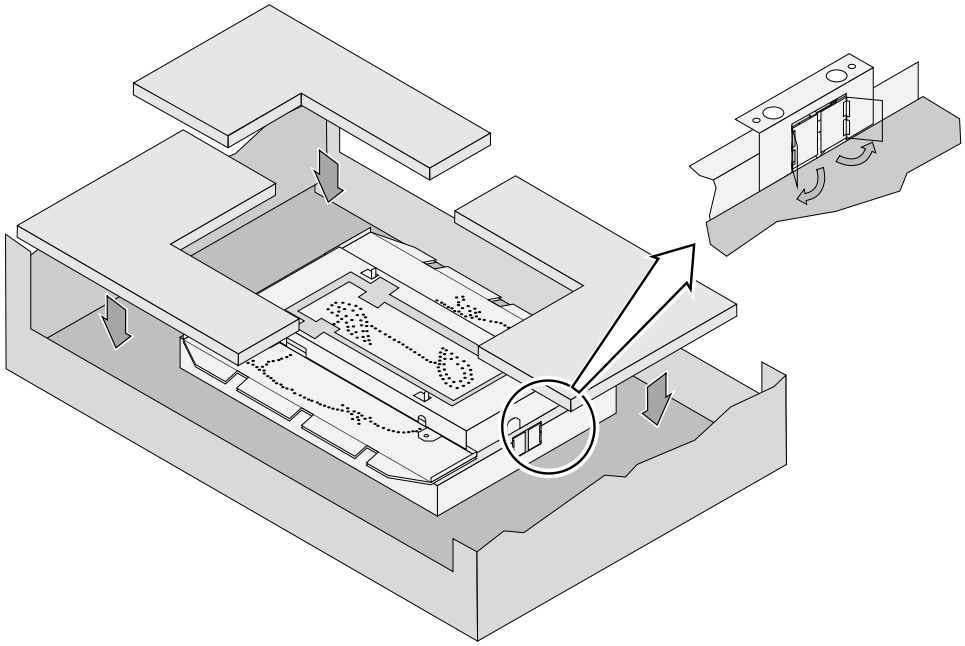
2 Remove the front and rear grates (NOTE: lift the burner slightly to remove the grate - see the illustration below).
NOTE: If the accent light deflectors have been bent, carefully bend the accent light deflectors inwards on both sides (NOTE: do not over-bend these deflectors, they will break off if over-bent).



3 Remove and discard the steel ember trays.



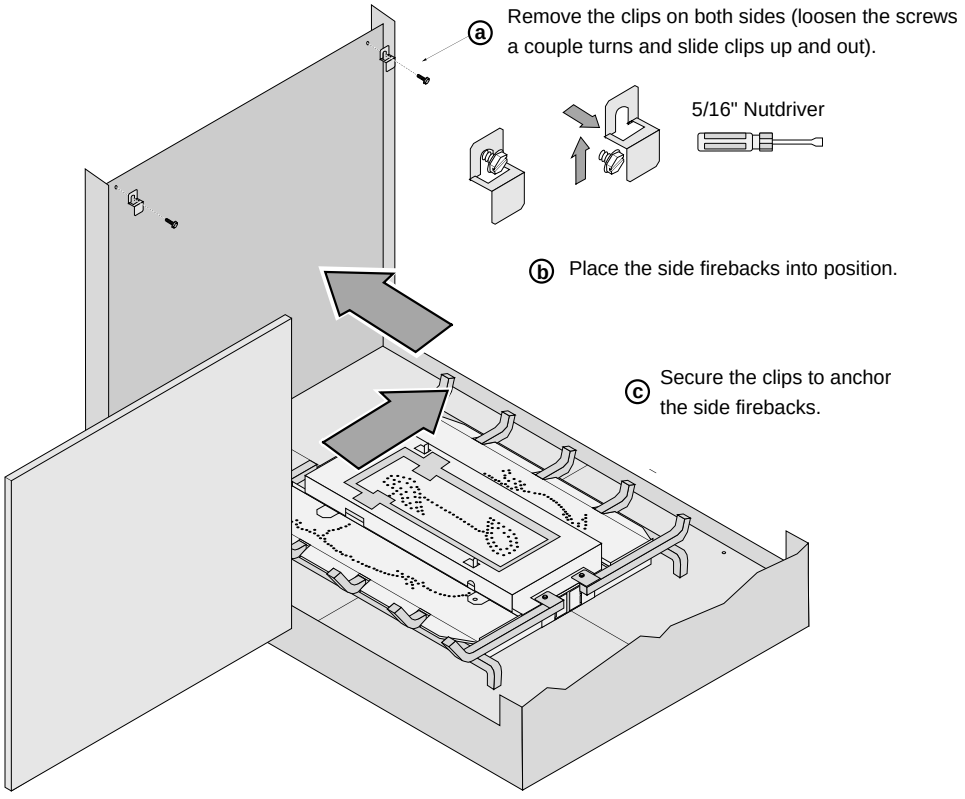
4 Carefully place the floor firebacks into position. You must tip them under and around the corners of the burner. Once in place, bend the accent light deflectors back to the correct position (take care to not damage the halogen bulbs).



5 Carefully replace the front and rear grates (they rest on top of the floor firebacks).

6 Install the side firebacks following the directions below.

7 Restore the fireplace to the correct configuration.


a Remove the clips on both sides (loosen the screws a couple turns and slide clips up and out).
5/16" Nutdriver
b Place the side firebacks into position.
c Secure the clips to anchor the side firebacks.

The ceramic firebacks are fragile. Ensure proper alignment of individual pieces in each step. To achieve the ideal appearance, you may need to make slight adjustments.

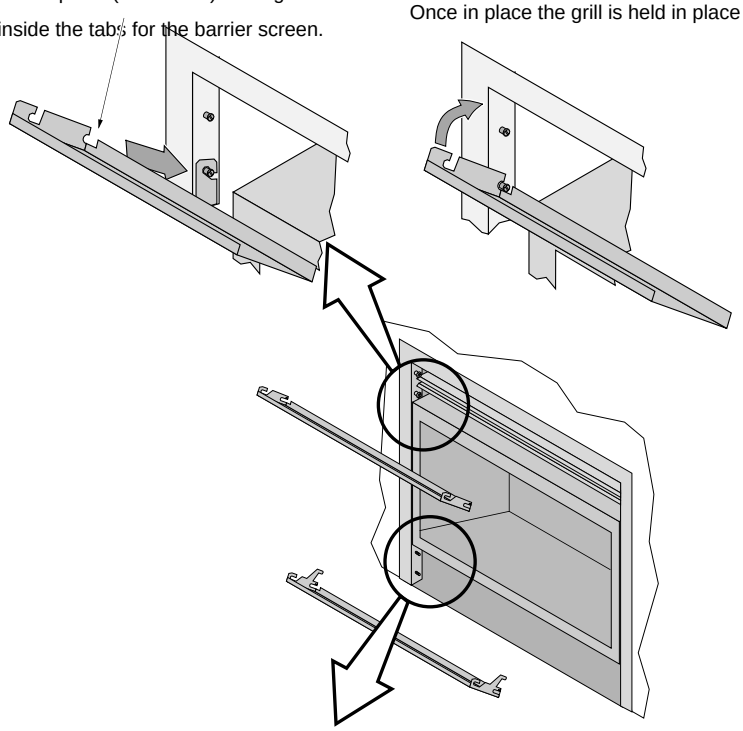
Grill Installation

Certain faces allow for installation of an upper and lower grill. Follow the directions below to install.

Upper Grill Installation (FPX and Avalon)

Hold the grill at an angle and insert the lower slot over the lower bushing on the fireplace (both sides). The grill fits inside the tabs for the barrier screen.

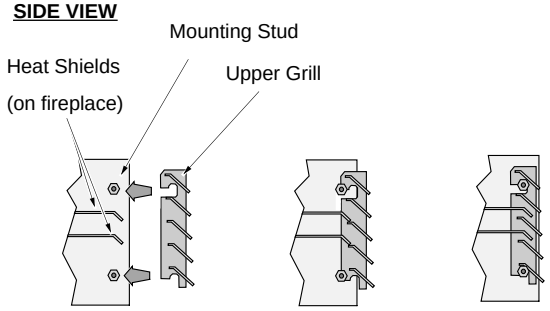
Swing the grill upwards to engage the upper slot. You will need to lift the grill slightly to get it over the bushing. Once in place the grill is held in place by gravity.



Upper Grill Installation (Lopi)

NOTE: The upper grill is difficult to install the first time - be patient, after you install it, you will know how it installs and it will be much easier the second time.

SIDE VIEW

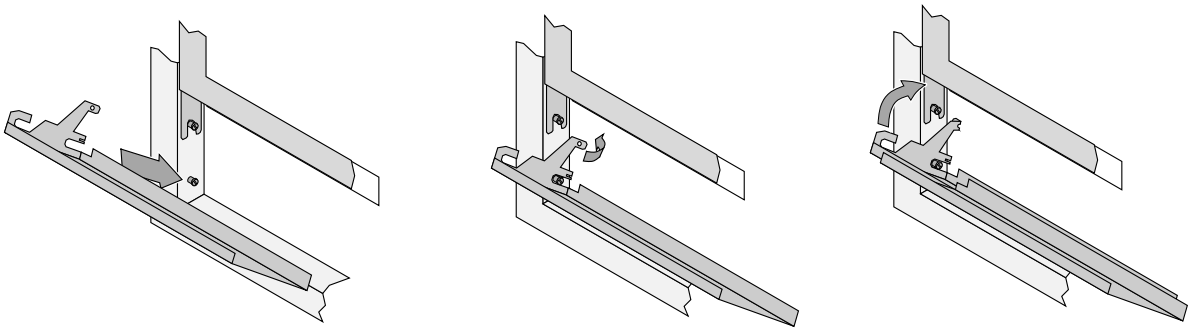


Position the grill so the slots on the grill align with the mounting studs.

You may need to push in and upwards on the grill as it inserts.

The grill, when fully inserted, will slide down and "click" into place.

Lower Grill Installation



Hold the grill at an angle and insert the lower slot over the bushing on the fireplace (both sides). You may need to press on the grill to get the tab over the bushing (this prevents the grill from accidentally falling off).

Bend the tab outward on both sides. This is the end-stop for the lower grill, it allows the grill to swing forward.

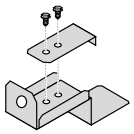
Swing the grill upwards to engage the upper slot. The grill fits inside the tabs for the barrier screen. You will need to lift the grill slightly to get it over the bushing. Once in place the grill is held in place by gravity.

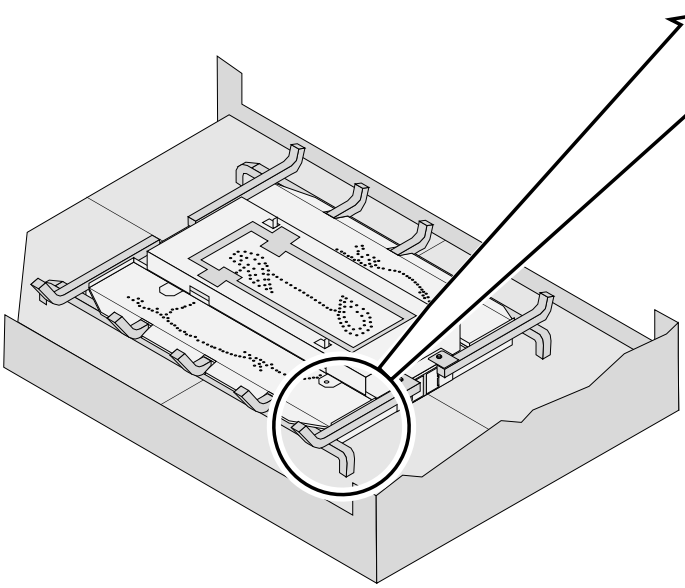
Andiron Installation

Install the andirons after installing all other optional equipment (firebacks, accent light, etc) but before installing the logs.

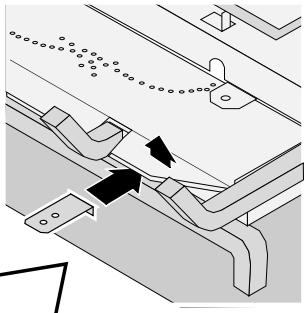
Part Numbers: Arabesque 98500633 -- Colonial 98500631 -- Wrought Iron 98500632

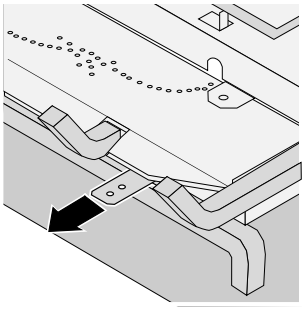
a Disassemble one of the andiron brackets.



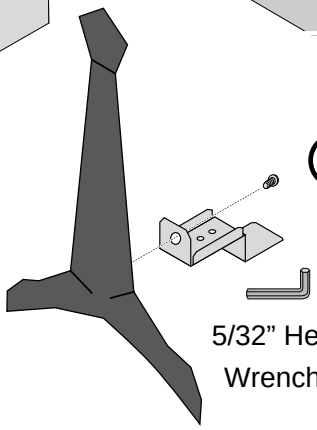


b Lift up on the burner and slide the upper portion of the bracket into the gap between the burner and grate.



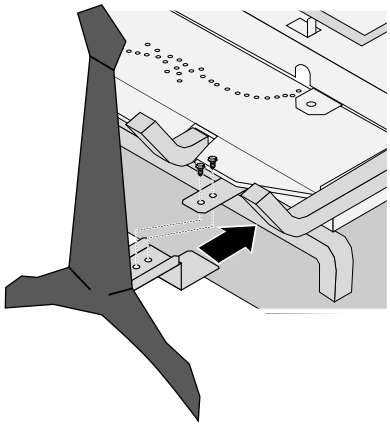


c Pull on the bracket so it is all the way forward.



d Attach the andiron to the lower portion of the bracket with the included screw (use the included 5/32” hex wrench).

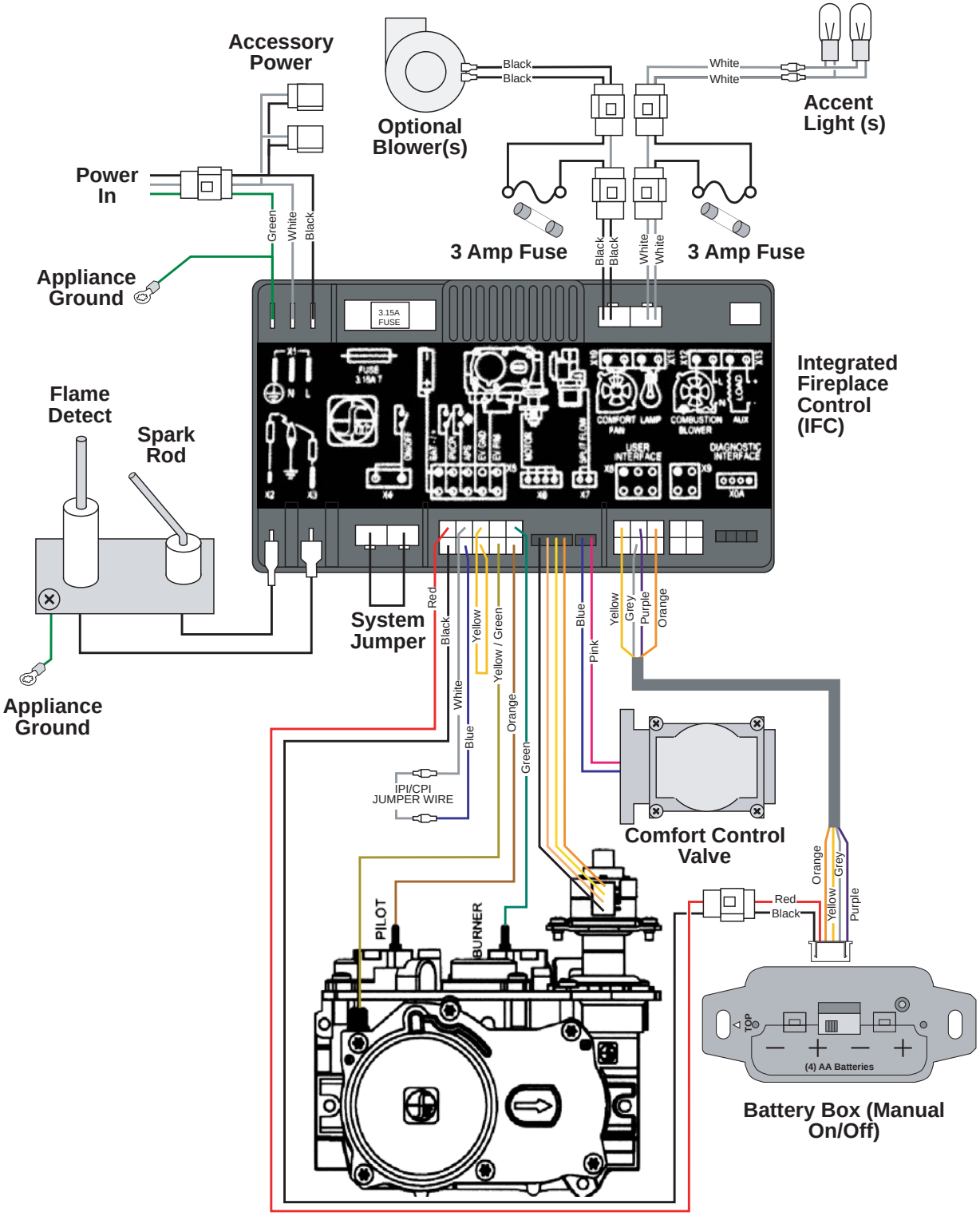
5/32” Hex Wrench



e Attach the andiron (with bracket) to the bracket on the fireplace using the screws removed in step “a”. You may need to bend the bracket slightly to allow the andirons to stand vertically.

f Repeat steps “a” through “e” for the opposite side.

GS2 Remote Wiring Diagram



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